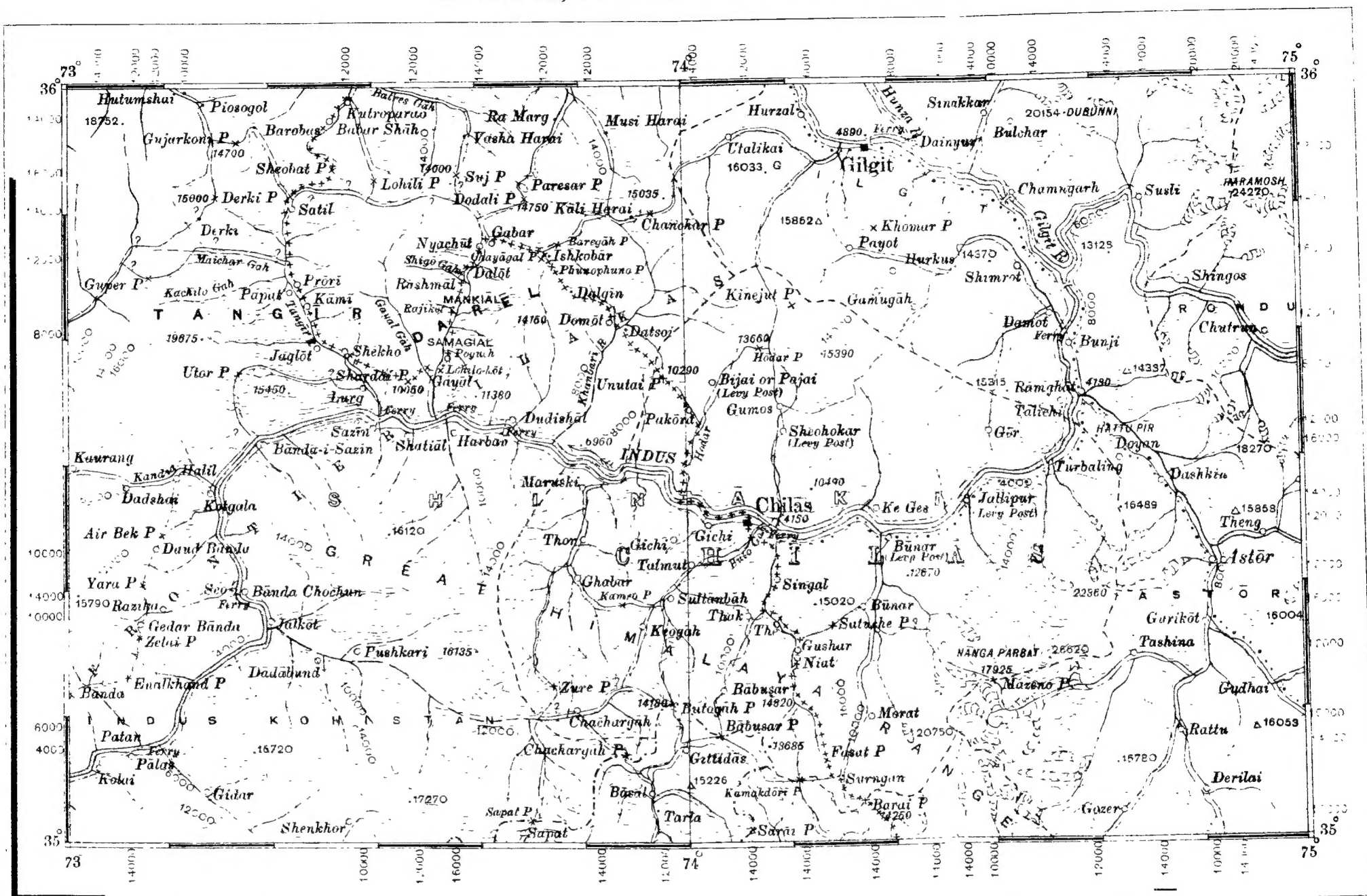


MAP TO ILLUSTRATE ROUTES FOLLOWED BY SIR AUREL STEIN THROUGH CHILĀS, DARĒL AND TANGĪR



Trigonometrical heights in feet .17270

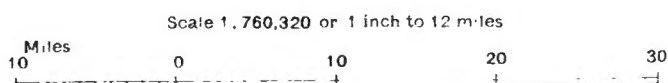
Approximate heights in feet .2960

Bridle-road or foot path, with pass - - - x - - -

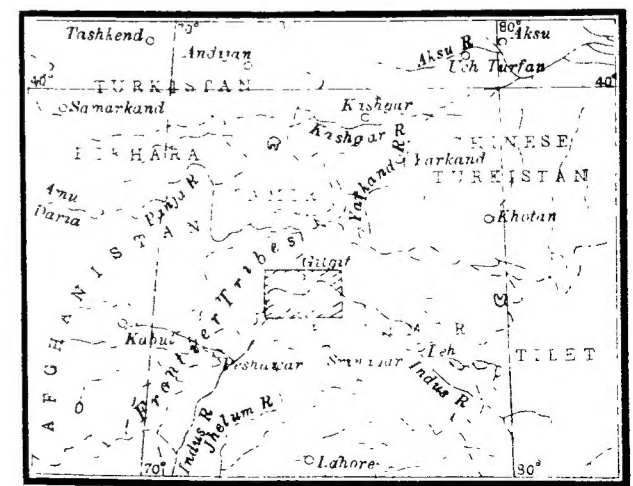
Telegraph line

Routes followed by Sir Aurel Stein + + + + +

Based on Survey of India Sheets 43 E and I



Contours, at 2000 feet, are approximate



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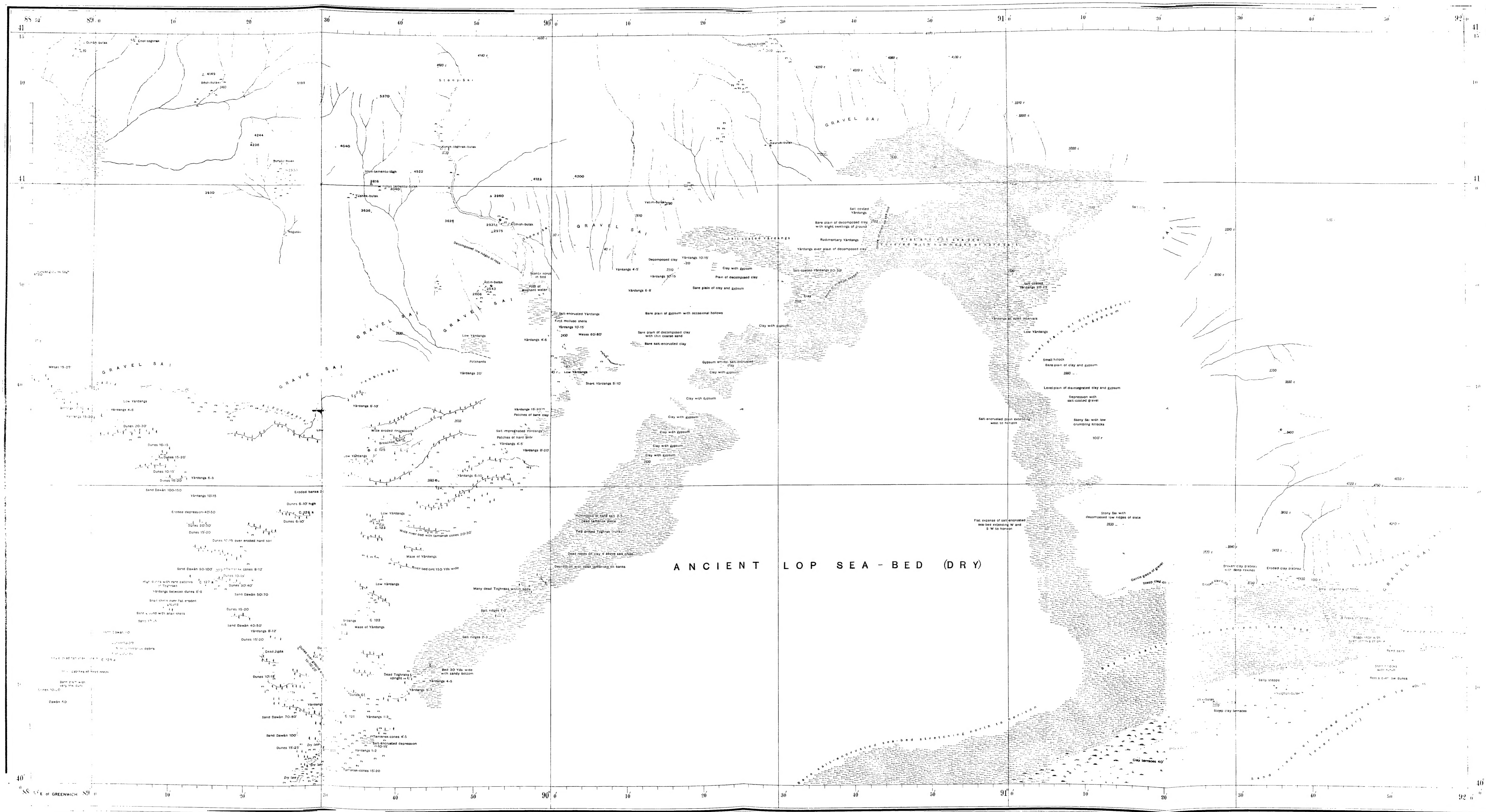
Date 8-12-61

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MAP OF THE LOP DESERT
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E.
1906-7, 1914.



Enlarged, with additions and corrections, from sheets Nos. 29, 32 of the Map Series of Chinese Turkestan and Kansu, scale 1:500,000, published under the direction of the Surveyor General of India, 1926.

Scale 1:3,16,800 or 1 inch to 5 miles

For corrections to be applied to the positions and heights of triangulated points, as shown in this sheet, see the lists of latitudes, longitudes, etc., in Appendix A to Sir A. Stein's Memoir on maps of Chinese Turkestan and Kansu.

Latitude 38° 52' 0" to 41° 15' 0" N
Longitude 88° 52' 0" to 92° 15' 0" E
Heights by aneroid barometer
Heights by barometer
Dunes and areas
Erosion terraces: Mesa, Yardang
Hard salt crusts
Salt-encrusted clay, hard soil
Tamarisk cones, living, dead
Wild cotton, Tamarisk, living, dead
Tamarisk, living, dead

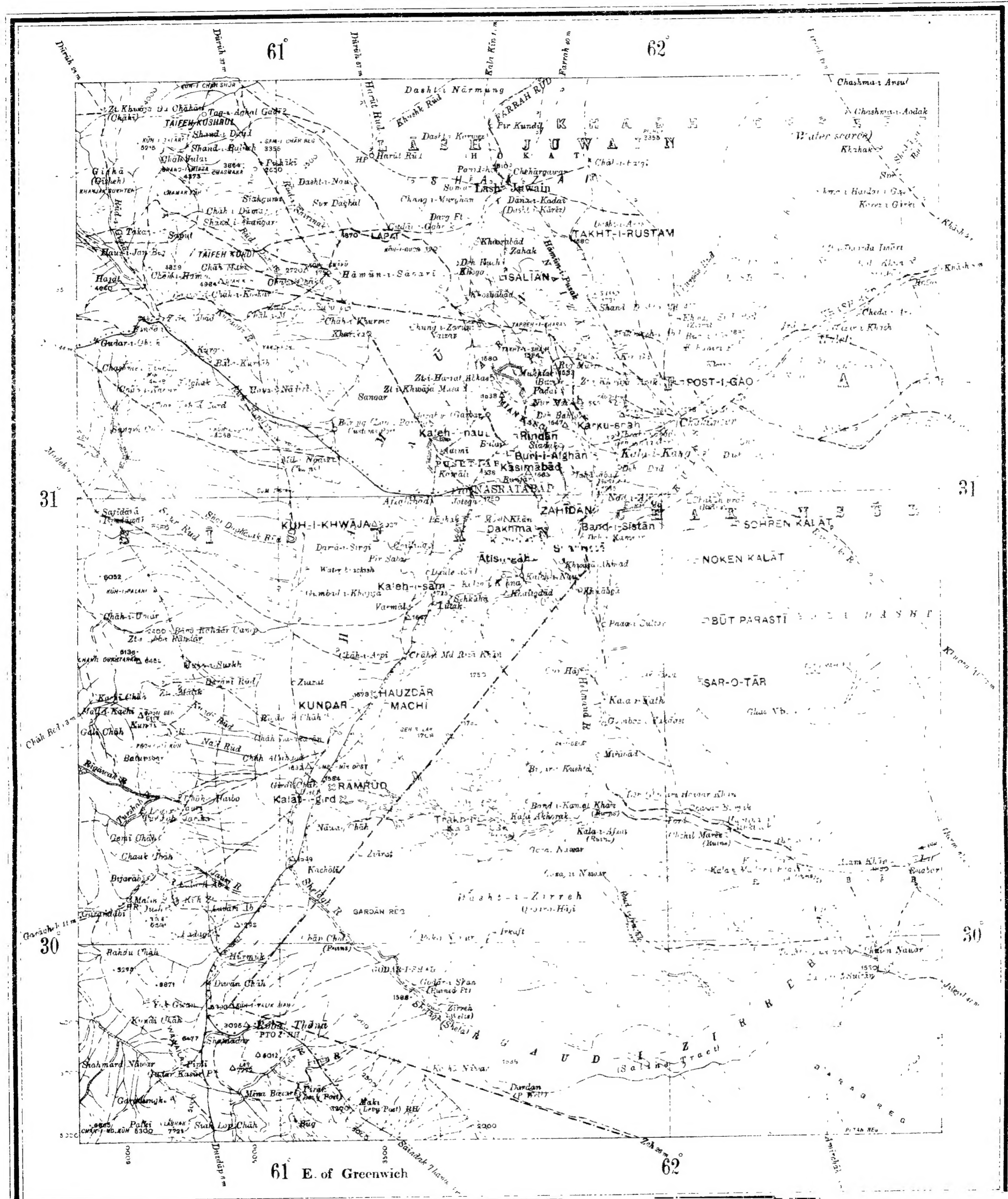
Reeds or low scrub, living, dead
Spring well
Caravan track
Fort, ancient
Ruined dwelling mound (Stupa)
Ancient site, watch-tower, cairn
Route with camp, 1906-07
Route with camp, 1914
Camps of Sir A. Stein and A. G. G. in 1914
Camps of R. B. Lal Singh in 1914

MAP OF PORTIONS OF

SĪSTĀN

BASED ON SHEET No. 30, OF THE SURVEY OF INDIA

WITH ADDITIONS BY SIR AUREL STEIN K.C.I.E.



Reg No. 542 E.D.D. 1927-750

Scale 1:100,000 or 1 inch to 16 Miles.

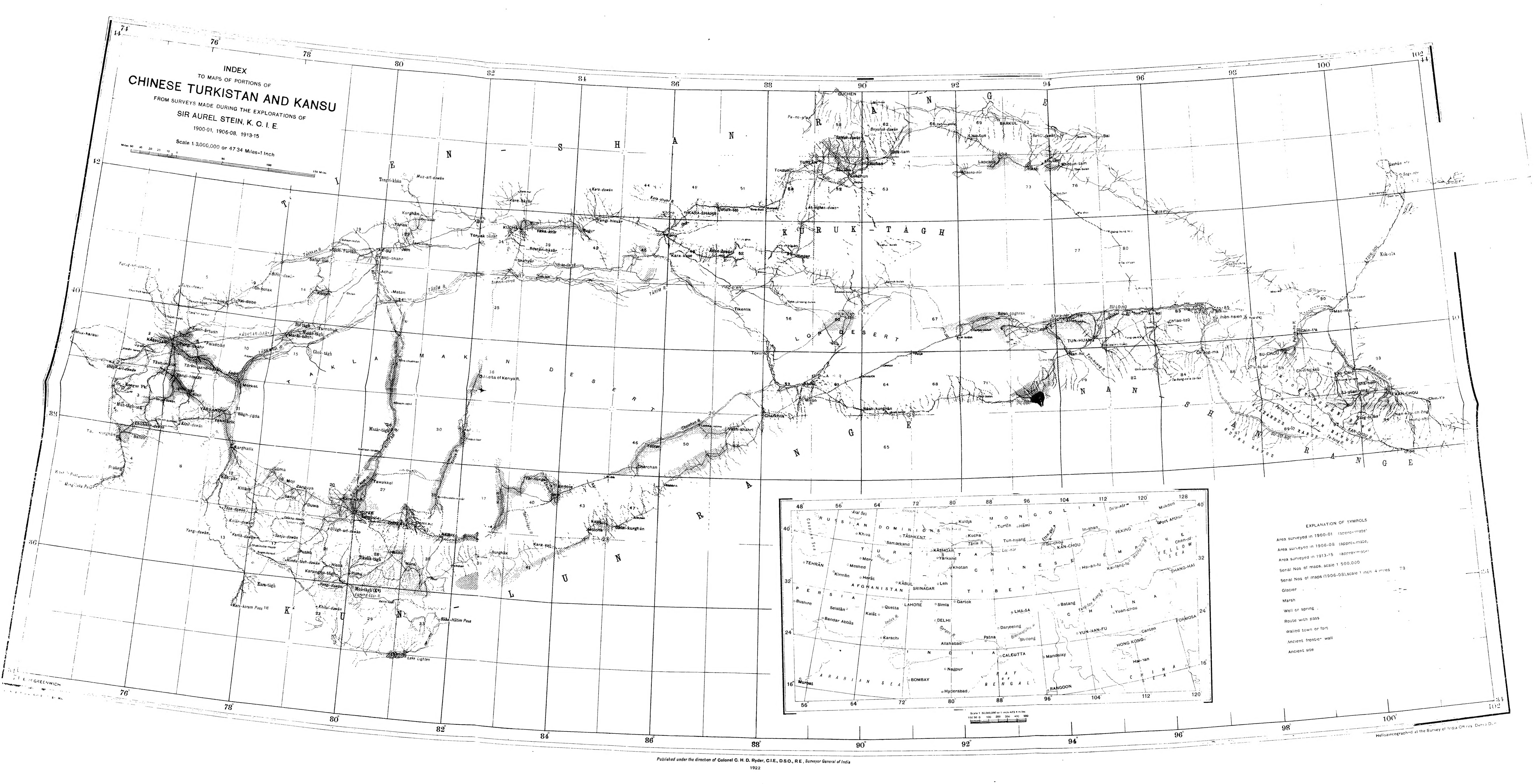
HELID S' O DEHRADUN

Canals, etc., shown in blue.

Map and other notes.

INDEX
TO MAPS OF PORTIONS OF
CHINESE TURKISTAN AND KANSU
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E.
1900-01, 1906-08, 1913-15

Scale 1:3,000,000 or 47 3/4 Miles-1 Inch



- EXPLANATION OF SYMBOLS
- Area surveyed in 1900-01 (approximate)
 - Area surveyed in 1906-08 (approximate)
 - Area surveyed in 1913-15 (approximate)
 - Serial Nos of maps scale 1:500,000
 - Serial Nos of maps (1906-08) scale 1 inch 4 miles
 - Glacier
 - Marsh
 - Well or spring
 - Route with pass
 - Walled town or fort
 - Ancient frontier wall
 - Ancient site

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

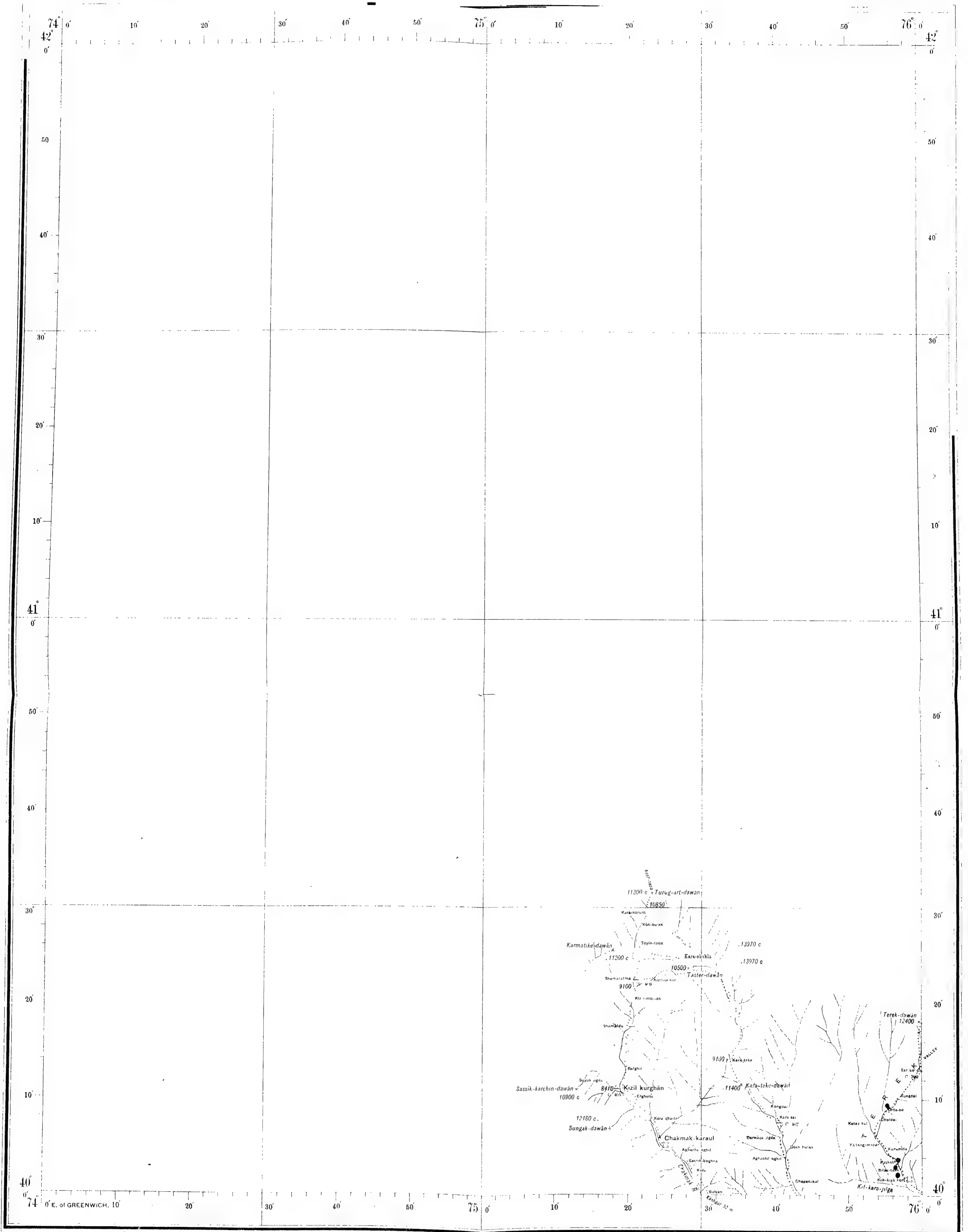
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-43

(CARTE INTERNATIONALE DU MONDE)

TURUG-ART, TEREK-DAWAN.

SERIAL No. 1



Latitude Sta. Azimuth Sta. Triangulation Sta.	Index to localities	Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1919.	Index to adjoining sheets	Spring Well Karez
Heights by theodolite, by clinometer	13277	Scale 1 500,000 or 1 014 Inches to 8 Miles		Main road
Heights by barometer or hypsometer	12770			Other roads and paths with pass
Perpetual snow (approximate)				Telegraph line
Drift sand area				Temple Muhammadan shrine Sacred tomb
Erosion terraces. Minya. Yardang				Fort. ancient, recent Mine
Hard salt crust				Temporarily occupied hut
Hard salt encrusted clay				Frontier wall ancient, recent
Soft salt encrusted clay				Walled town extant, ruined. Ruined mound (Stupa).
Cultivation unsurveyed				Ancient site, watch-tower Camp
Edges of cultivation, etc., where surveyed				Route with camp, 1900-01
Reeds or low scrub living, dead				Route with camp, 1906-08
Sandy tract with scrub or jungle				Route with camp, 1913-15
Tamarisk groves. Bound. dead				Camps of Sir A. Stein and Mr. Yarkul Khan in 1913-15
Wild poplars (Yulghar) Bound. dead				Camps of Sir A. Stein and Mr. Yarkul Khan in 1913-15
Tamarisks. Bound. dead. (Yulghar)				Camps of R. & L. Smith in 1913-15

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'an-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Fum	Sand	Shan (Chin.)	Desert of sand or gravel
Darya	River	Sungak	Roads	Ta-tan (Chin.)	Mountain
Dawon	Pass	Ku-chai	Tower	Tagh	Pass
Dong	Hill	Yulghar	Rest house	Tograk	Mountain
Hu Chai	River	Ma-tan	Saint's tomb	Uylang	Poplar
Jilai, J	Valley	Yulghar	Temple	Yulghar	Camp
Karaul	Watch station	Yulghar	Shepherd station	Yulghar	Grass ground

Streams which generally contain water are shown in blue

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

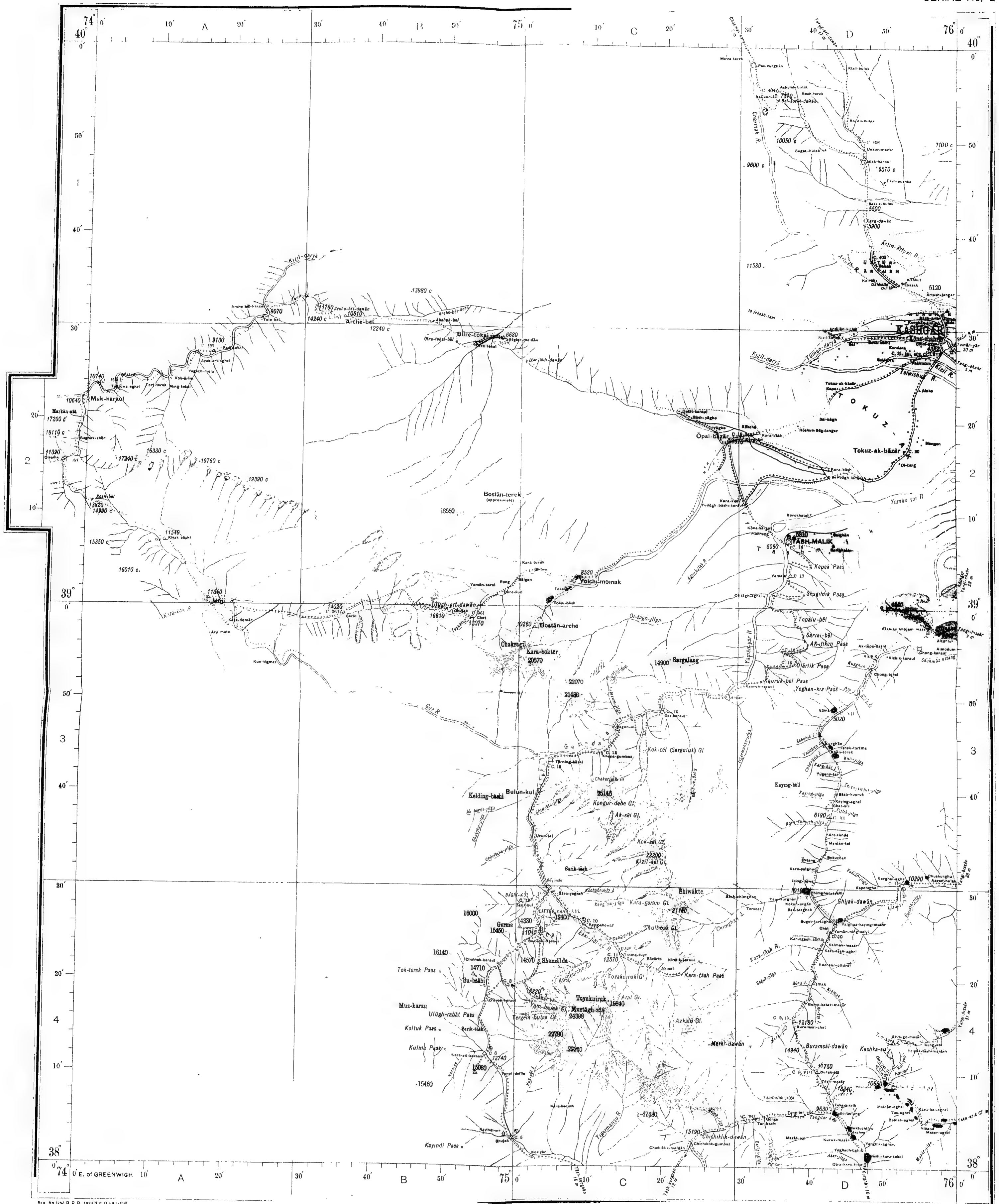
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 42-N.E.

KĀSHGAR, MUZTĀGH-ATĀ.

SERIAL No. 2



Red No 1283 D D D 1922 (2 D D) 91-100

Latitude Stn Azimuth Stn. Triangulation Stn.

Heights: by theodolite, by clinometer 13277 12300 c

Heights: by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift-sand area

Erosion terraces: Mesa; Yardang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub: living; dead

Sandy tract with scrub or jungle

Tamarisk cones: living; dead

Wild poplars (Toghraks): living; dead

Tamarisks: living; dead Conifers

Index to localities

Muztāgh-atā

Kāshgar

Kāshgar

Kāshgar

Kāshgar

Kāshgar

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Kāshgar

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1922.

Scale 1: 500,000 or 1:1014 inches to 8 miles

Min. 10 0 10 20 Miles

Min. 10 0 10 20 Miles

Min. 10 0 10 20 Miles

Min. 10 0 10 20 Miles

Min. 10 0 10 20 Miles

Min. 10 0 10 20 Miles

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Min. 10 0 10 20 Miles

Min. 10 0 10 20 Miles

Min. 10 0 10 20 Miles

Min. 10 0 10 20 Miles

Min. 10 0 10 20 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kāl	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghān	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tāgh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miso (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc which generally contain water are shown in blue

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20 24

21 25

Spring Well, Kārēz

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town extant, ruined, Ruined mound (Stupa)

Ancient site: watch-tower, Cairn

Route with camp, 1900 01

Route with camp, 1906 08

Route with camp, 1913 15

Camps of Sir A. Stein or Md. Yakūb Khān in 1913-15

Camps of Sir A. Stein and Afrāz Gul in 1913-15

Camps of R. B. Lār Singh in 1913 15

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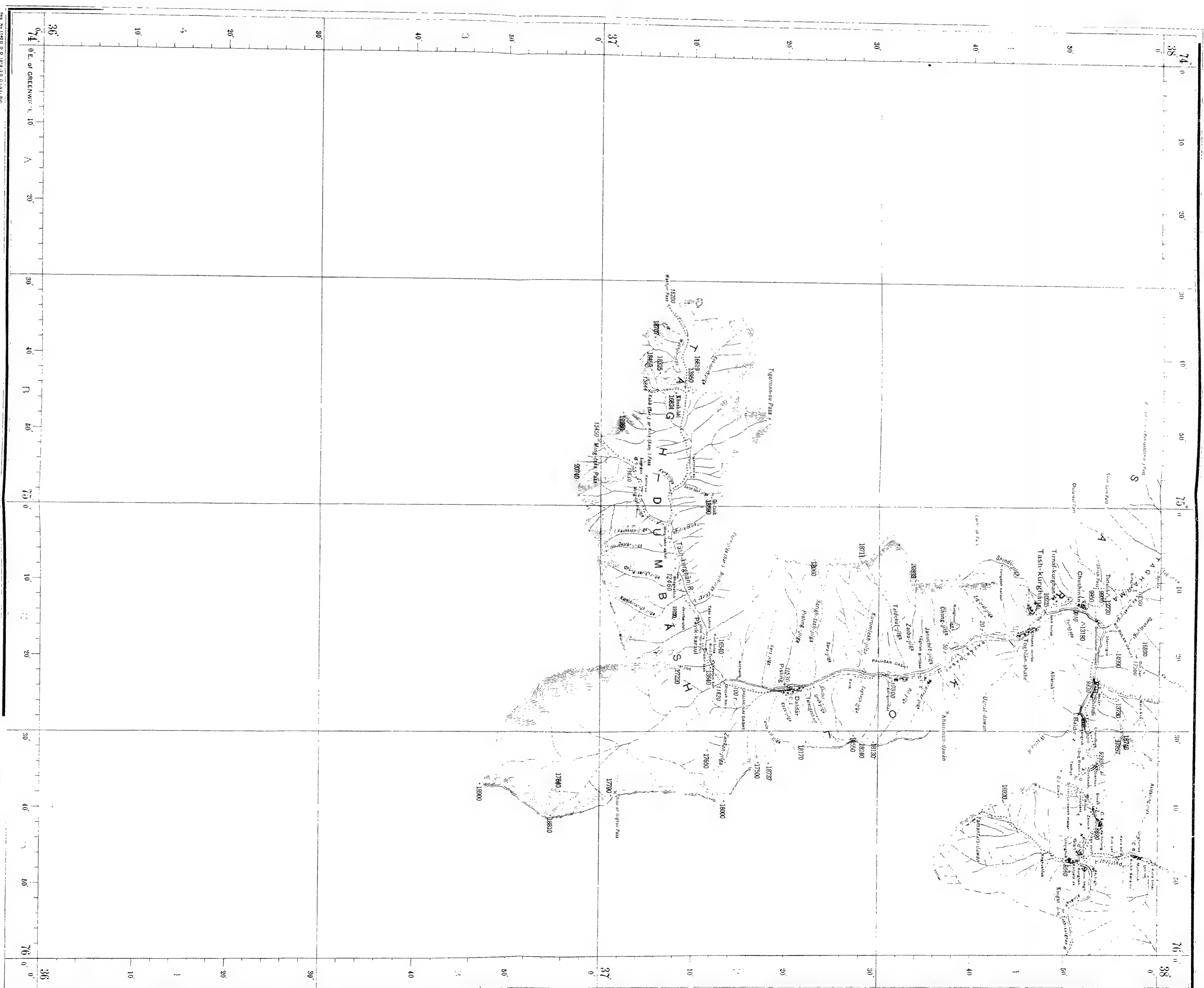
FROM SURVEYS MADE DURING THE EXPLORATIONS OF

1900-01, 1906-08, 1913-15.

1900-01, 1906-08, 1913-15.

SARİKOL

SERIAL No. 3



Latitude Stn Azimuth Stn. Triangulation

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite; by clinometer

Heights: by barometer or hyps

Drift sand area

Hard salt crust

Hard salt encrusted clay

Cultivation. unsurveyed

Edges of cultivation, etc., where

Sandy tract with scrub or jungle

Tamarisk cones. living; dead

Tamarisks: living; dead Conifers

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Scale 1 500,000 or 1 014 Inches to 8 Miles

[illegible]

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Brak	Spring	Kui, Koi	Lake	Pao-tzu, Pao-tzu	Wild village
Chin	Hill stream	Kum	Sail	Chin, J	Desert of stone or gorges
Darya	River	Kunshab	Reeds	Shan (Chin, J)	Mountain
Dawn	Pass	Kurshan	Tower	Ta-tan (Chin, J)	Pass
Dong	Hill	Lang-shi, Li	Rest house	Tsü	Mountain
Ho (Chin, J)	River	Mazur, Mr.	Saint's tomb	Toprak	Polar
Alto, J	Valley	Ma (Chin, J)	Temple	Uteng	Great
Karaul	Watch station	Oghil	Shimmering station	Yakhs, Yanga	Gazing ground

Streams etc. which generally contain water are shown in blue

Index to additional sheets

1. **Introduction**
 2. **Background**
 3. **Methodology**
 4. **Results**
 5. **Discussion**
 6. **Conclusion**
 7. **References**
 8. **Appendix**
 9. **Index**
 10. **Table of Contents**

Figure 1 is a line graph showing the percentage of total protein in the plasma membrane fraction (PM) versus the percentage of total protein in the total cell fraction (TCF) for various proteins. The x-axis represents the percentage of total protein in the TCF, ranging from 0 to 100. The y-axis represents the percentage of total protein in the PM, also ranging from 0 to 100. A diagonal line represents the identity line (y=x). Data points are plotted for various proteins, with some labeled: P, S, L, and others. A legend indicates that open circles represent the plasma membrane fraction and filled circles represent the total cell fraction.

Enfines Wall Room

Main road

Telegraph line

Temple, Muhammadan shr

temporarily occupied and

Walled town extant, ruined. Ruined mound (Stupa).

Route with camp, 1906 0

Camps of Sir A Stein or Md Yakub Khan in 1913 15

Camps of R. B. Lal Singh in 1913-15

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CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

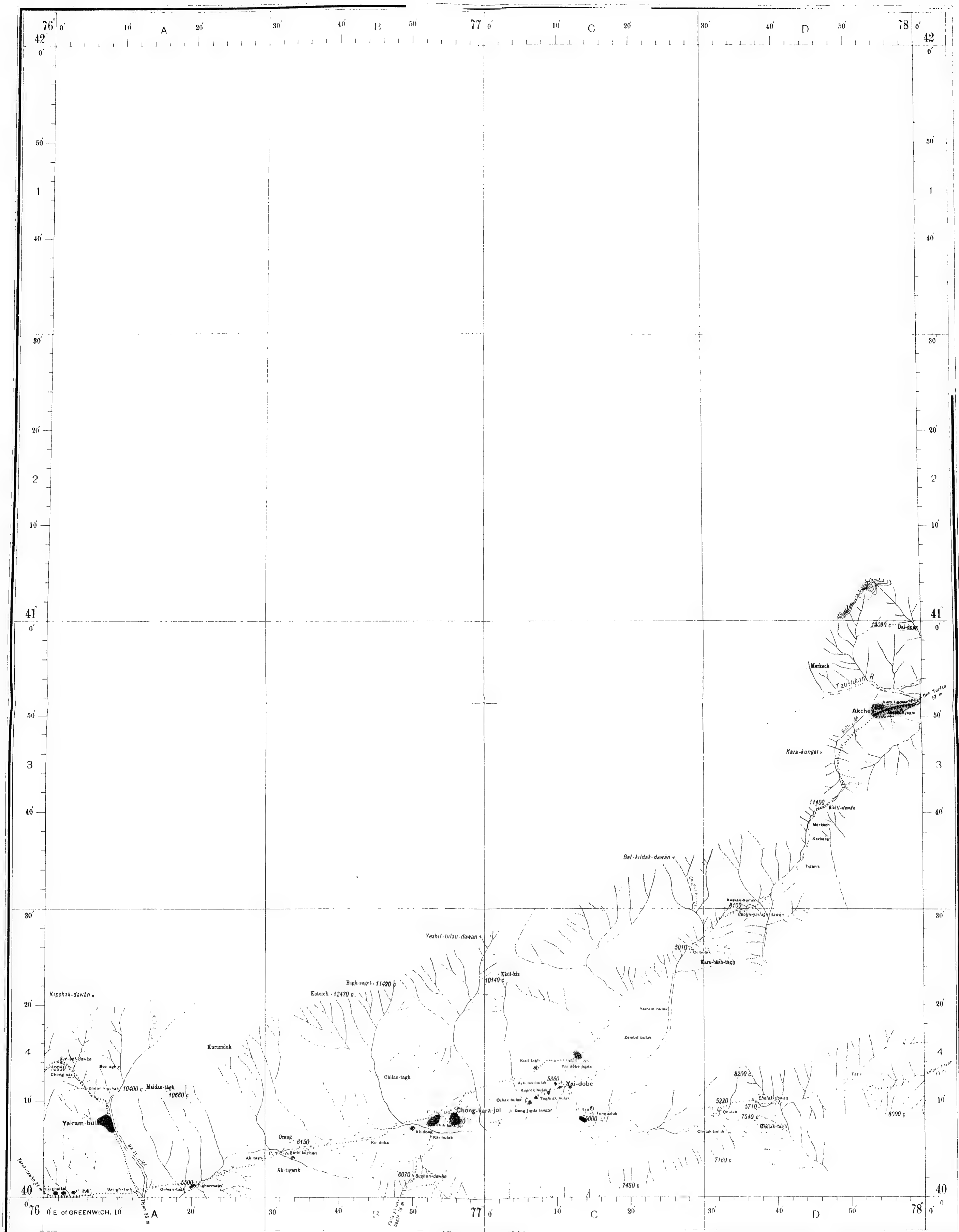
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PART OF SHEET No. N. K-43

(CARTE INTERNATIONALE DU MONDE)

YAI-DÖBE.

SERIAL No. 4



Rep. No. 1131 D.D.D. 1919 2 D (11.51) Bk.

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite; by clinometer 13277 12300 c

Heights by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa. Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living; dead

Sandy tract with scrub or jungle

Tamarisk cones living; dead

Wild poplars (Toghraks). living; dead

Tamarisks living; dead Conifers

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Scale 1:500,000 or 1:1014 inches to 8 Miles

Miles 10 5 0 5 10 Kilometers 10 5 0 5 10

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-lzu, Pu-lzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

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2	5	8

Spring Well. Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant, ruined, Ruined mound (Stupa)

Ancient site; watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afraz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

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CHINESE TURKISTAN AND KANSU

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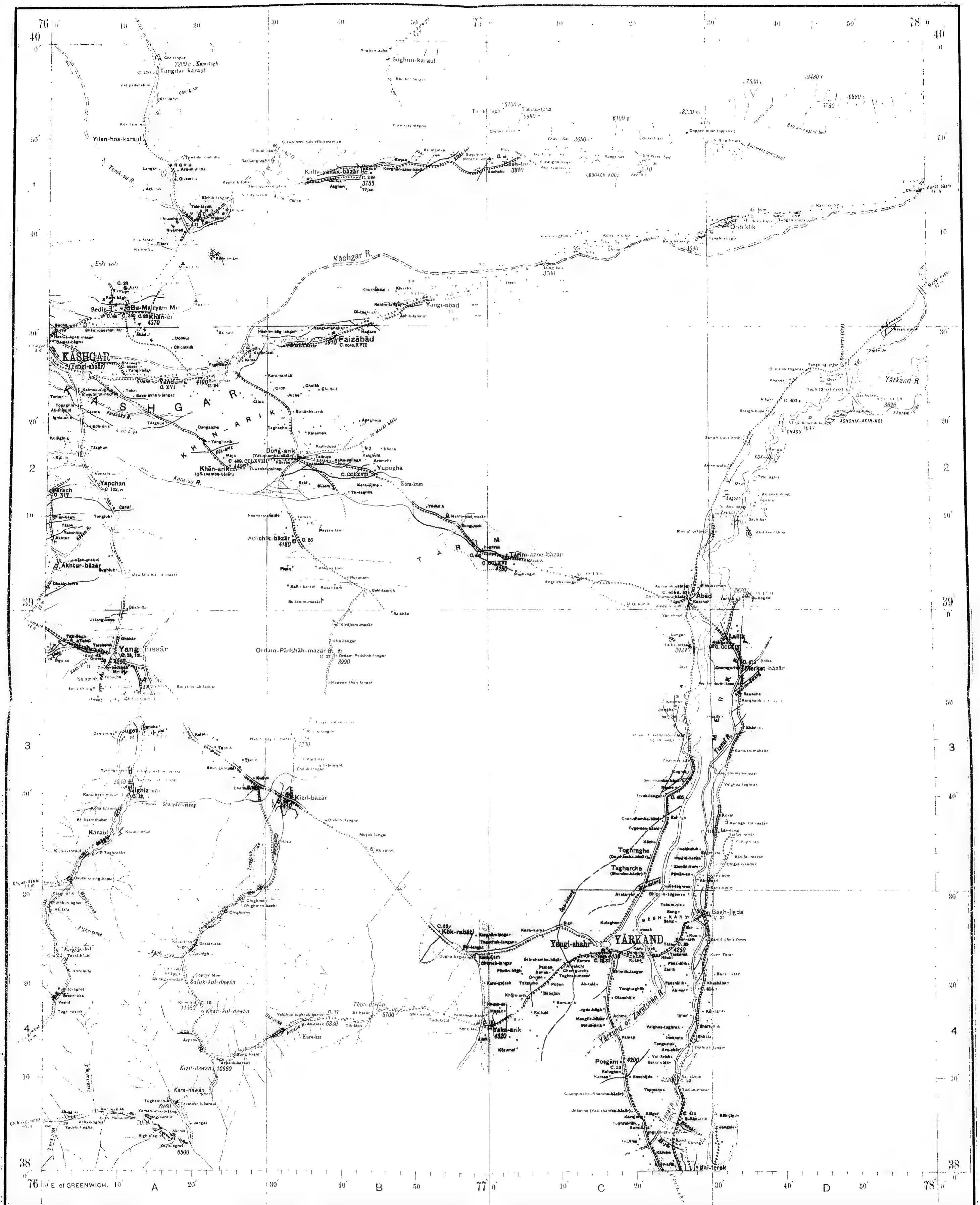
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 51 N.W.

YANGI-HISSAR, YARKAND.

SERIAL No. 5



Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite; by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces. Mesa. Yardang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamansk cones living, dead

Wild poplars (Toghraks) living, dead

Tamansk living, dead Conifers

Index to localities



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Scale 1:500,000 or 1:1014 inches to 8 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kul	Lake	P'ao-tzu, Pu-tzu	Walled village
Chap	Hill stream	Kum	Sand	Shan (Chin)	Desert of stone or gravel
Darya	River	Kumush	Reeds	Ta-fan (Chin)	Mountain
Dawan	Pass	Kurghan	Tower	Toghrak	Pass
Dong	Hill	Langar, Le	Rest house	Ustang	Mountain
Ho (Chin)	River	Mazar, Mr	Saint's tomb		Poplar
Jilga, J	Valley	Miao (Chin)	Temple		Camel
Karaul	Watch station	Oghil	Shepherd station		Grazing ground

Streams etc. which generally contain water are shown in blue

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Spring Well. Karez

Main road.

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant; ruined. Ruined mound (Stupa)

Ancient site, watch-tower. Cairn

Route with camp, 1900-01

Route with camp, 1906-08

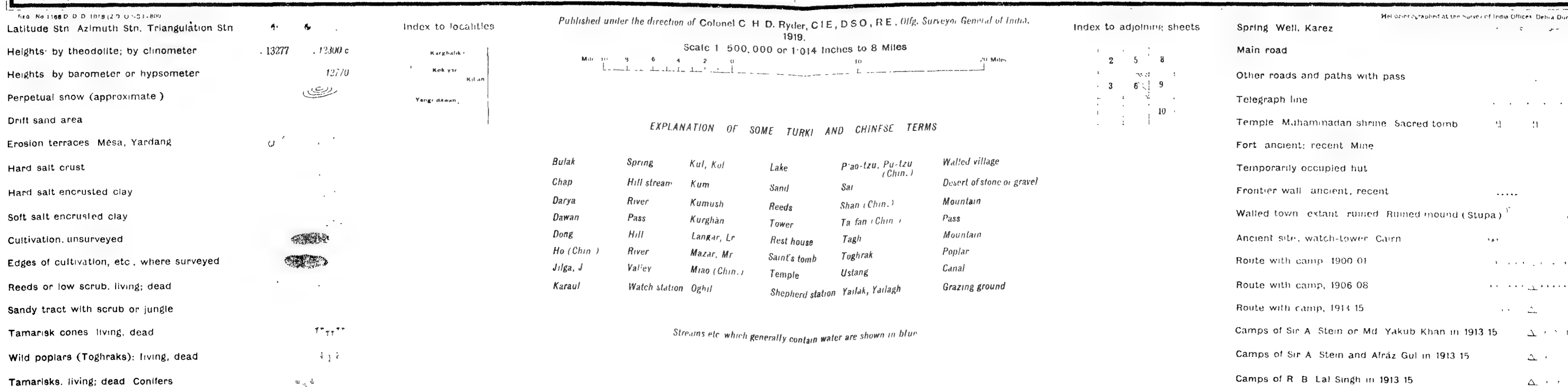
Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrax Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

SERIAL No. 6



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CHINESE TURKISTAN AND KANSU

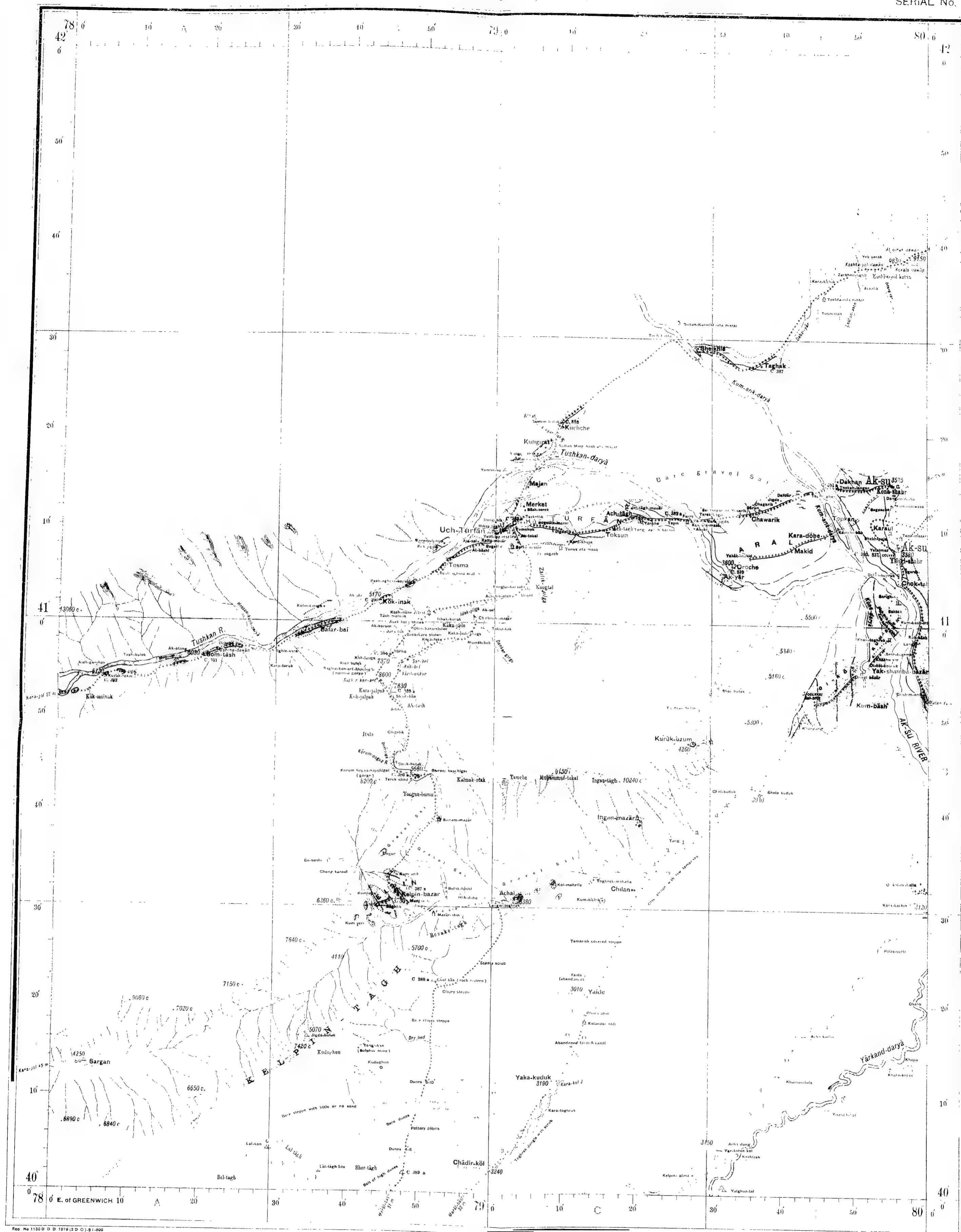
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1900-01, 1906-07, 1913-15.

AK-SU, UCH-TURFAN, KELPIN.

SERIAL No. 7

PART OF SHEET No. N. K-44
(CARTE INTERNATIONALE DU MONDE)

Ref. No. 11320 D.D. 1919 (20.0) 31-000

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite, by clinometer 13277 12300 c

Heights by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Tophras) living, dead

Tamarisks living, dead Conifers

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1919.

Scale 1:500,000 or 1:1014 inches to 8 Miles

Index to localities

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EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-trü, Pu-trü (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Lan-ar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Taghrak	Poplar
Jilga, J	Valley	Miran (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which pour off water are shown in blue

Spring, Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, sacred tomb.

Fort: ancient, recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant, ruined, Ruined mound (Stupa)

Ancient site; watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Mr. Yakub Khan in 1913-15

Camps of Sir A. Stein and Alfred Gu in 1913-15

Camps of R. B. Lal Smith in 1913-15

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CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

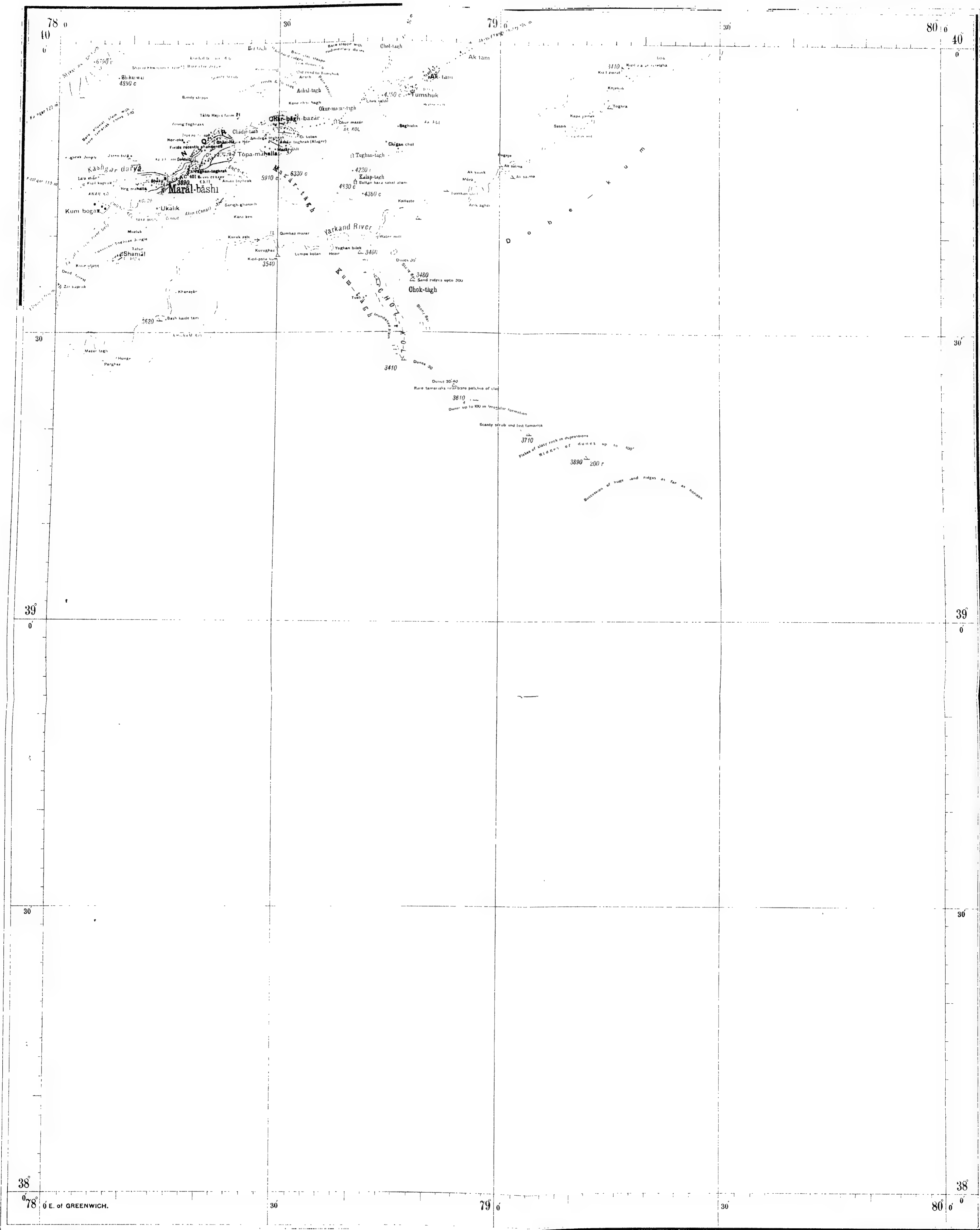
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 51 N.E.

MARAL-BĀSHI.

SERIAL No. 8



Rep. No. 10000 D.D. 1918 (D.D. 1918)

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite; by clinometer

Heights: by barometer or hypsometer

Perpetual snow (approximate)

Drift-sand area

Erosion terraces Mesa: Yārdang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub, living; dead

Sandy tract with scrub or jungle

Tamarisk cones, living; dead

Wild poplars (Toghraks) living; dead

Tamarisks living; dead Conifers

Index to localities

Maral-Bāshi

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Scale 1: 500,000 or 1 014 inches to 8 Miles

Miles 10 5 0 5 10 20 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawān	Pass	Kurghān	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazār, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Üstang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

4 7 12

5 8 13

6 9 14

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient; recent

Walled town: extant; ruined. Ruined mound (Stüpa)

Ancient site: watch-tower. Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afraz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

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CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

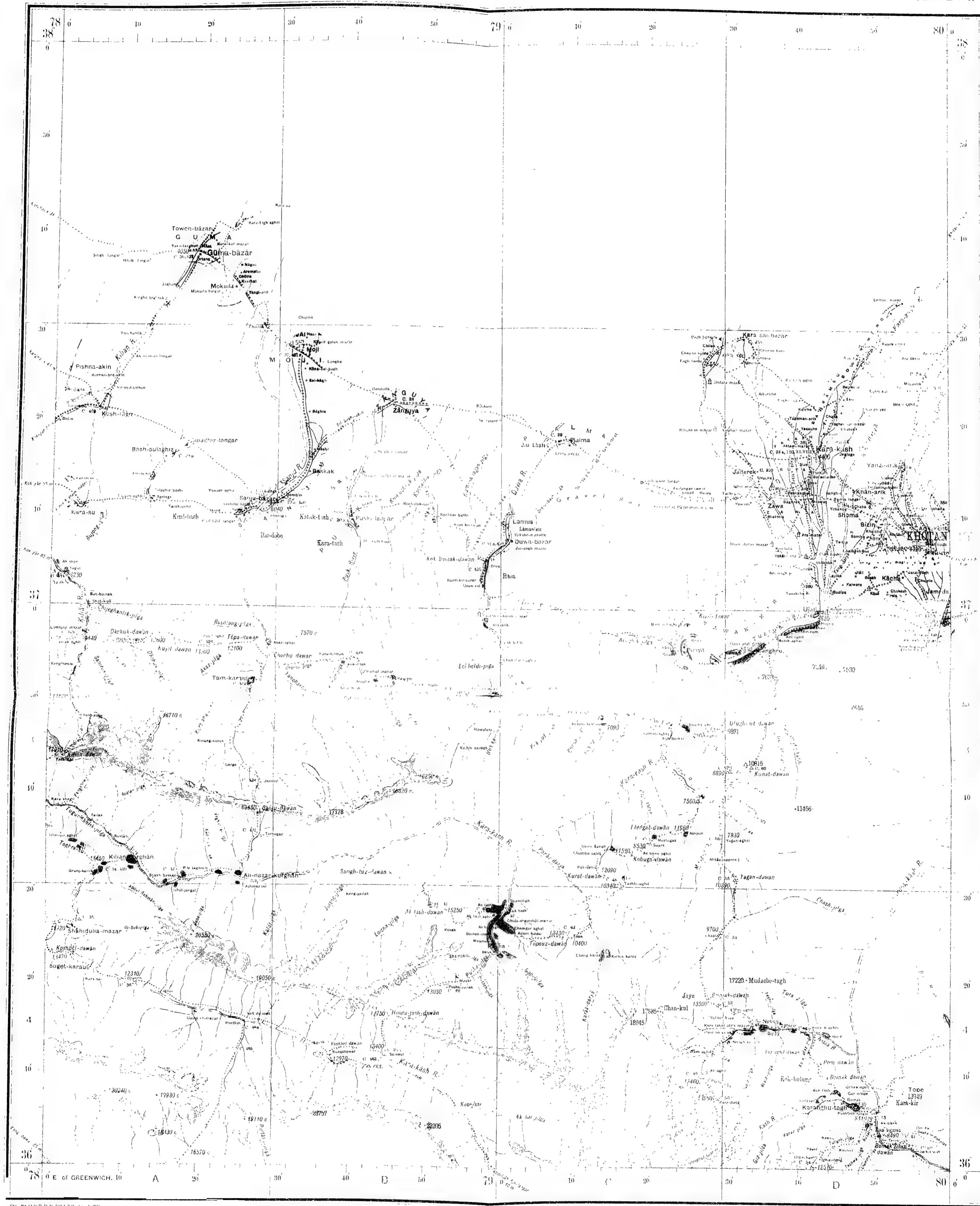
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 51 S.E.

KHOTAN, SANJU

SERIAL No. 9



Latitude S'n Azimuth S'n Triangulation S'n.

Heights: by theodolite, by clinometer 13577 17501

Heights by barometer or hypsometer 12711

Perpetual snow (approximate)

Drift sand area

Erosion terraces, Mesa, Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toshaks) living, dead

Tamarisks living, dead Conifers

Index to localities

Index to adjoining sheets

Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O. (R.E.), by the Survey of India, 1919.

Scale 1:500,000 or 1:1014 inches to 8 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak Spring Kul, Kul Lake Pan-tzu, Pu-tzu Walled village

Chap Hill stream Kum Sand Su Desert or stone or gravel

Darya River Kumash Reeds Shan (Chin) Mountain

Dawan Pass Kurghan Towers Ta-fan (Chin) Pass

Dong Hill Langar, Lr Rest house Tagh Mountain

Ho (Chin) River Mazai, Mr Saint's tomb Toghrak Poplar

Jilga, J Valley Mizap (Chin) Temple Ustang Canal

Karaul Watch station Oghli Shepherd station Yailak, Yailagh Grazing ground

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

Spring Well Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sagen tomb

Fort ancient, recent Mine

Temporarily occupied hut

Frontier wall ancient recent

Walled town extant ruined Ruined mound (Stupa)

Ancient site: watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrax Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrax Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

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Camps of R. B. Lal Singh in 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrax Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrax Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrax Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrax Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

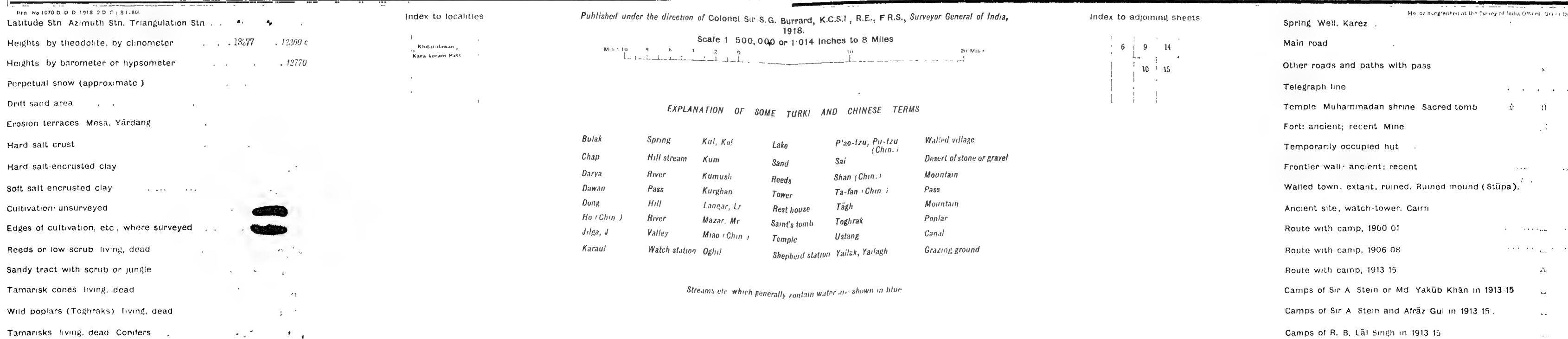
Camps of Sir A. Stein and Afrax Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

1900-01, 1906-08, 1913 15.

KARA-KORAM. KHITAI-DAWĀN

SERIAL No. 10



NOTE: Details in square A1 and west to margin taken from a rigorous survey executed by the CAV. The slope's exposures fall in

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Offices, 1 Map Record and Issue Branch, 15, 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 53, 55, 57, 59, 61, 63, 65, 67, 69, 71, 73, 75, 77, 79, 81, 83, 85, 87, 89, 91, 93, 95, 97, 99, 101, 103, 105, 107, 109, 111, 113, 115, 117, 119, 121, 123, 125, 127, 129, 131, 133, 135, 137, 139, 141, 143, 145, 147, 149, 151, 153, 155, 157, 159, 161, 163, 165, 167, 169, 171, 173, 175, 177, 179, 181, 183, 185, 187, 189, 191, 193, 195, 197, 199, 201, 203, 205, 207, 209, 211, 213, 215, 217, 219, 221, 223, 225, 227, 229, 231, 233, 235, 237, 239, 241, 243, 245, 247, 249, 251, 253, 255, 257, 259, 261, 263, 265, 267, 269, 271, 273, 275, 277, 279, 281, 283, 285, 287, 289, 291, 293, 295, 297, 299, 301, 303, 305, 307, 309, 311, 313, 315, 317, 319, 321, 323, 325, 327, 329, 331, 333, 335, 337, 339, 341, 343, 345, 347, 349, 351, 353, 355, 357, 359, 361, 363, 365, 367, 369, 371, 373, 375, 377, 379, 381, 383, 385, 387, 389, 391, 393, 395, 397, 399, 401, 403, 405, 407, 409, 411, 413, 415, 417, 419, 421, 423, 425, 427, 429, 431, 433, 435, 437, 439, 441, 443, 445, 447, 449, 451, 453, 455, 457, 459, 461, 463, 465, 467, 469, 471, 473, 475, 477, 479, 481, 483, 485, 487, 489, 491, 493, 495, 497, 499, 501, 503, 505, 507, 509, 511, 513, 515, 517, 519, 521, 523, 525, 527, 529, 531, 533, 535, 537, 539, 541, 543, 545, 547, 549, 551, 553, 555, 557, 559, 561, 563, 565, 567, 569, 571, 573, 575, 577, 579, 581, 583, 585, 587, 589, 591, 593, 595, 597, 599, 601, 603, 605, 607, 609, 611, 613, 615, 617, 619, 621, 623, 625, 627, 629, 631, 633, 635, 637, 639, 641, 643, 645, 647, 649, 651, 653, 655, 657, 659, 661, 663, 665, 667, 669, 671, 673, 675, 677, 679, 681, 683, 685, 687, 689, 691, 693, 695, 697, 699, 701, 703, 705, 707, 709, 711, 713, 715, 717, 719, 721, 723, 725, 727, 729, 731, 733, 735, 737, 739, 741, 743, 745, 747, 749, 751, 753, 755, 757, 759, 761, 763, 765, 767, 769, 771, 773, 775, 777, 779, 781, 783, 785, 787, 789, 791, 793, 795, 797, 799, 801, 803, 805, 807, 809, 811, 813, 815, 817, 819, 821, 823, 825, 827, 829, 831, 833, 835, 837, 839, 841, 843, 845, 847, 849, 851, 853, 855, 857, 859, 861, 863, 865, 867, 869, 871, 873, 875, 877, 879, 881, 883, 885, 887, 889, 891, 893, 895, 897, 899, 901, 903, 905, 907, 909, 911, 913, 915, 917, 919, 921, 923, 925, 927, 929, 931, 933, 935, 937, 939, 941, 943, 945, 947, 949, 951, 953, 955, 957, 959, 961, 963, 965, 967, 969, 971, 973, 975, 977, 979, 981, 983, 985, 987, 989, 991, 993, 995, 997, 999, 1001, 1003, 1005, 1007, 1009, 1011, 1013, 1015, 1017, 1019, 1021, 1023, 1025, 1027, 1029, 1031, 1033, 1035, 1037, 1039, 1041, 1043, 1045, 1047, 1049, 1051, 1053, 1055, 1057, 1059, 1061, 1063, 1065, 1067, 1069, 1071, 1073, 1075, 1077, 1079, 1081, 1083, 1085, 1087, 1089, 1091, 1093, 1095, 1097, 1099, 1101, 1103, 1105, 1107, 1109, 1111, 1113, 1115, 1117, 1119, 1121, 1123, 1125, 1127, 1129, 1131, 1133, 1135, 1137, 1139, 1141, 1143, 1145, 1147, 1149, 1151, 1153, 1155, 1157, 1159, 1161, 1163, 1165, 1167, 1169, 1171, 1173, 1175, 1177, 1179, 1181, 1183, 1185, 1187, 1189, 1191, 1193, 1195, 1197, 1199, 1201, 1203, 1205, 1207, 1209, 1211, 1213, 1215, 1217, 1219, 1221, 1223, 1225, 1227, 1229, 1231, 1233, 1235, 1237, 1239, 1241, 1243, 1245, 1247, 1249, 1251, 1253, 1255, 1257, 1259, 1261, 1263, 1265, 1267, 1269, 1271, 1273, 1275, 1277, 1279, 1281, 1283, 1285, 1287, 1289, 1291, 1293, 1295, 1297, 1299, 1301, 1303, 1305, 1307, 1309, 1311, 1313, 1315, 1317, 1319, 1321, 1323, 1325, 1327, 1329, 1331, 1333, 1335, 1337, 1339, 1341, 1343, 1345, 1347, 1349, 1351, 1353, 1355, 1357, 1359, 1361, 1363, 1365, 1367, 1369, 1371, 1373, 1375, 1377, 1379, 1381, 1383, 1385, 1387, 1389, 1391, 1393, 1395, 1397, 1399, 1401, 1403, 1405, 1407, 1409, 1411, 1413, 1415, 1417, 1419, 1421, 1423, 1425, 1427, 1429, 1431, 1433, 1435, 1437, 1439, 1441, 1443, 1445, 1447, 1449, 1451, 1453, 1455, 1457, 1459, 1461, 1463, 1465, 1467, 1469, 1471, 1473, 1475, 1477, 1479, 1481, 1483, 1485, 1487, 1489, 1491, 1493, 1495, 1497, 1499, 1501, 1503, 1505, 1507, 1509, 1511, 1513, 1515, 1517, 1519, 1521, 1523, 1525, 1527, 1529, 1531, 1533, 1535, 1537, 1539, 1541, 1543, 1545, 1547,

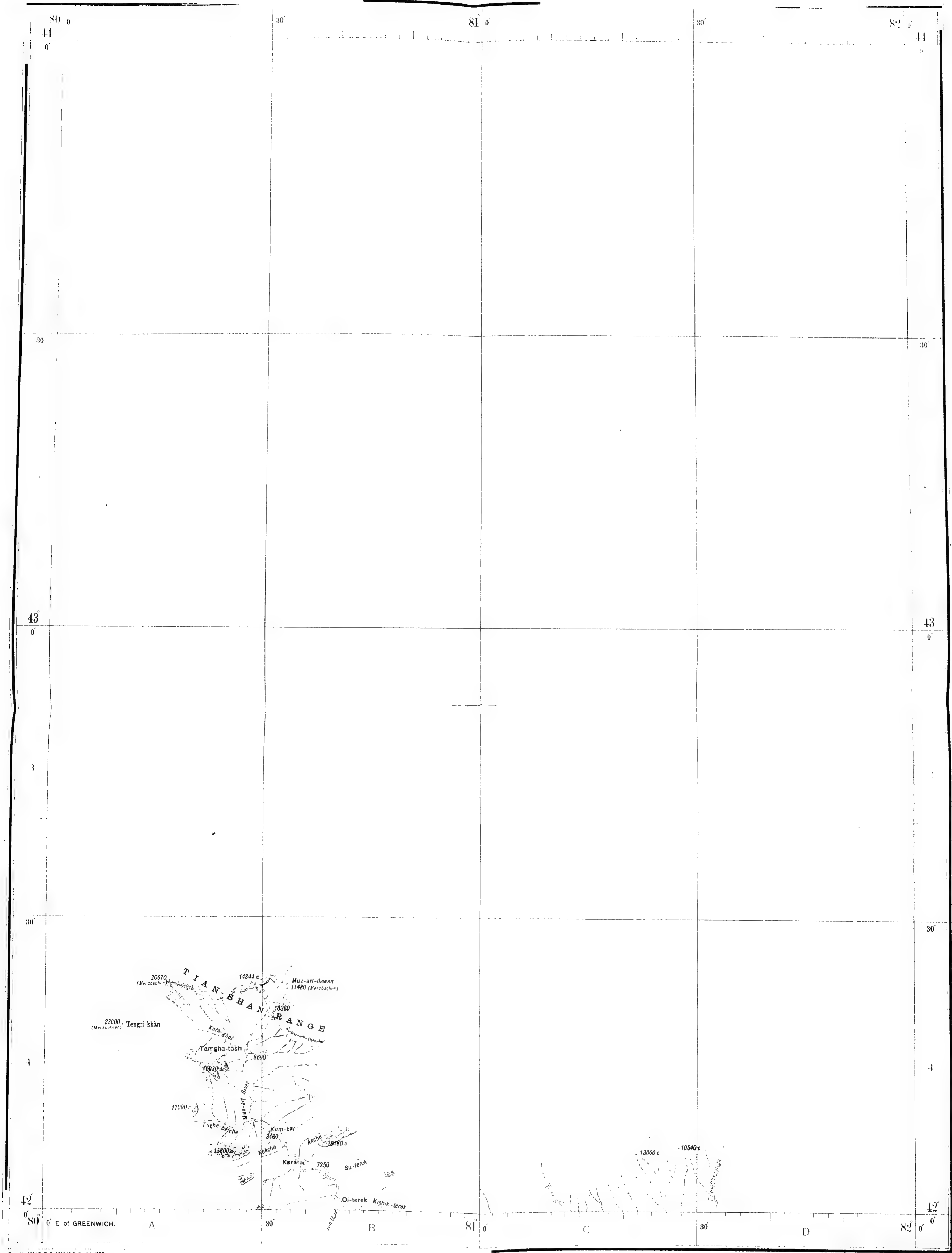
CHINESE TURKISTAN AND KANSU
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913 15.

PART OF SHEET No. N K-44
(CARTE INTERNATIONALE DU MONDE)

MUZ-ART

SERIAL No. 11



Reo No 1044 D D O 1918 (20 0) 31-800

Latitude Stn Azimuth Stn. Triangulation Stn

Heights: by theodolite; by clinometer .13277 .12300 c

Heights: by barometer or hypsometer . . .12770

Perpetual snow (approximate)

Drift-sand area

Erosion terraces: Mesa, Yārdang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub: living; dead

Sandy tract with scrub or jungle

Tamarisk cones: living; dead

Wild poplars (Toghrahs): living; dead

Tamarisks: living; dead Conifers

Index to localities

Muz-art-dawan

Tengri-khan

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, Index to adjoining sheets

1918.

Scale 1 500,000 or 1 014 inches to 8 Miles

Miles: 10 5 0 5 10

11 16

7 12 17

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-lzu, Pu-lzu (Chin.)	Walled village
Chap	Hill stream	Kun	Sand	Sai.	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurgan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Lanqar, Lr.	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mi	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karakul	Watch station	Oghul	Shepherd station	Taiak, Taiagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Spring Well, Kārez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient; recent

Walled town: extant, ruined. Ruined mound (Stupa).

Ancient site, watch-tower. Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913 15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrāz Gul in 1913 15

Camps of R. B. Lal Singh in 1913 15.

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

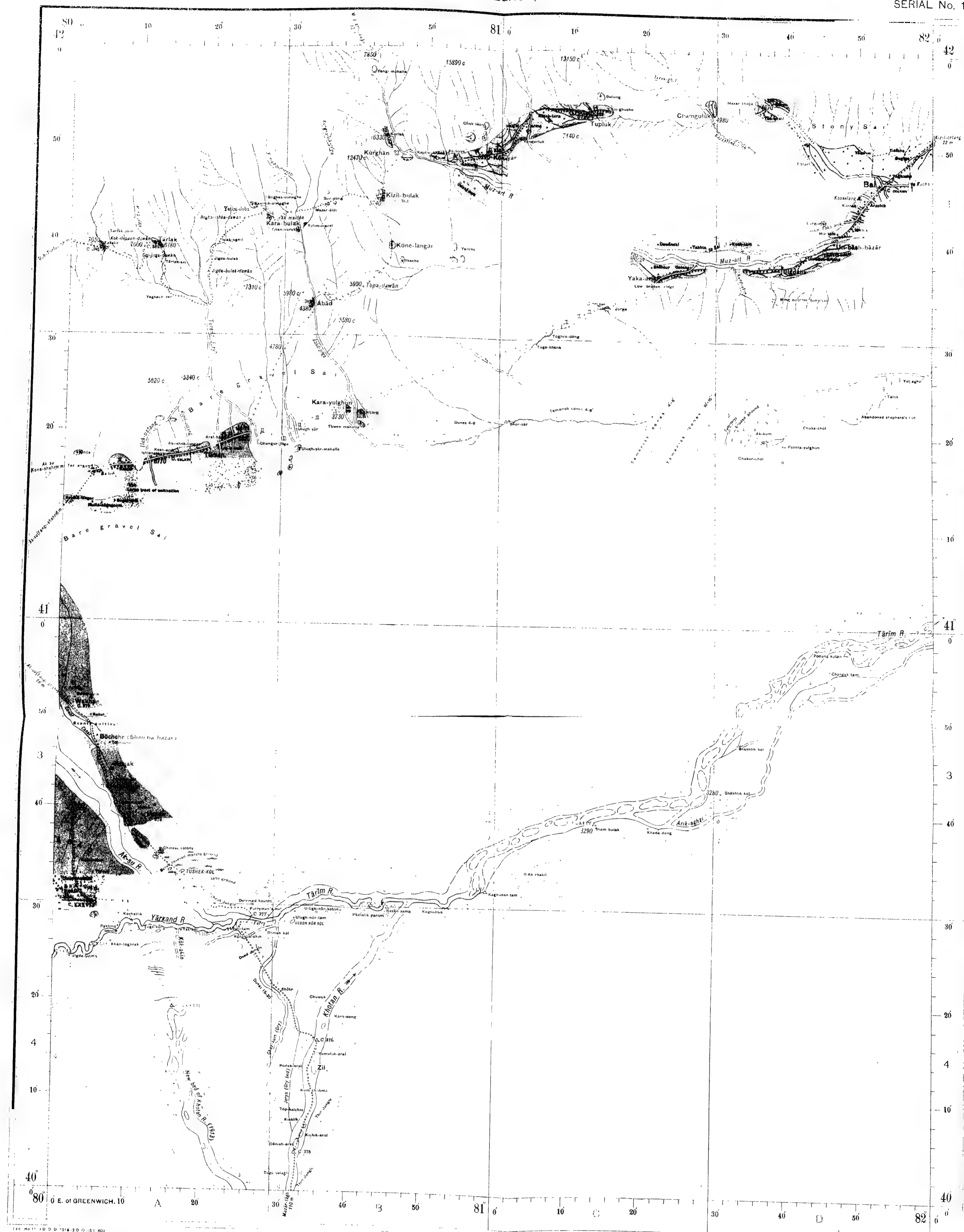
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K. 44
(CARTE INTERNATIONALE DU MONDE)

KARA-YULGHUN, BAL.

SERIAL No. 12



Latitude Stn Azimuth Stn Triangulation Stn
Heights by theodolite, by clinometer 13277 12300 c
Heights by barometer or hypsometer 12770
Perpetual snow (approximate) (C.S.S.)
Drift-sand area
Erosion terraces Mesa; Yardang
Hard salt crust
Hard salt encrusted clay
Soft salt encrusted clay
Cultivation-unsurveyed
Edges of cultivation, etc., where surveyed
Reeds or low scrub: living, dead
Sandy tract with scrub or jungle
Tamarisk cones living dead
Wild poplars (Toghraks) living; dead
Tamarisks living, dead Conifers

Index to localities

Korghan Bai

Kara-yulghun

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1919.

Scale 1: 500,000 or 1:014 inches to 8 miles

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11 16

7 12 17

8 13 18

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Korghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Uetang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient, recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant, ruined. Ruined mound (Stupa)

Ancient site, watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrāz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

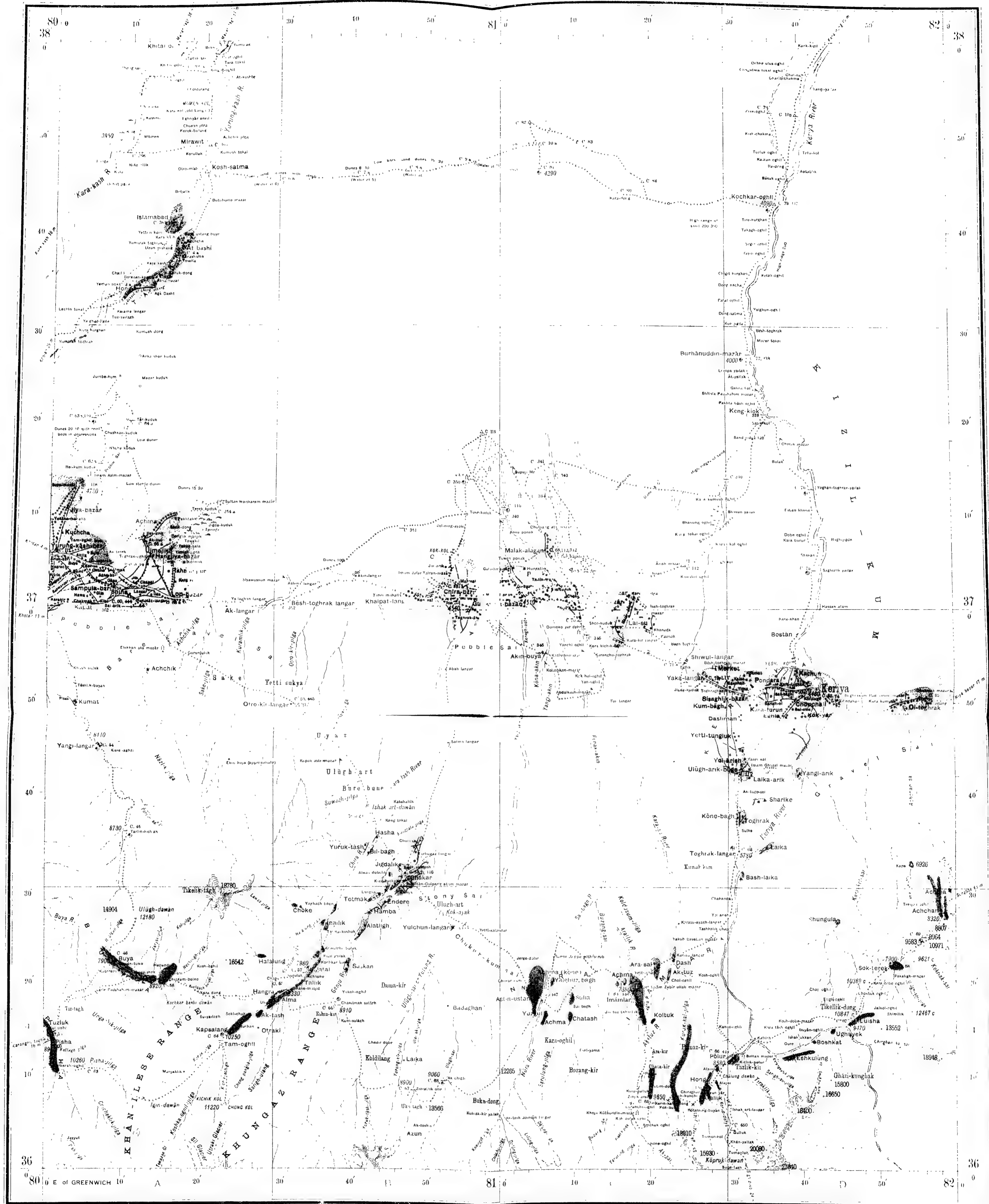
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CHINESE TURKISTAN AND KANSU
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E.,
1900-01, 1906-08, 1913-15

SURVEY OF INDIA No. 60 S W

SAMPULA, CHIRA, KERIYA.

SERIAL No. 14



Latitude 5° N Azimuth Sin Triangulation Sin

Heights by theodolite, by clinometer .13277 .12391

Heights by barometer or hypsometer .12270

Perpetual snow (approximate)

Drift sand area

Erosion terraces, Mesa, Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamarisk cones, living; dead

Wild poplars (Tograks) living, dead

Tamarisks living; dead Conifers

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1919.

Scale 1:500,000 or 1:1014 inches to 8 miles

Index to localities

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EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kul	Lake	P'an tzu, Pu tzu	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Mao (Chin.)	Ustang	Canal	
Karaul	Watch station	Oghli	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc., which generally contain water are shown in blue

Spring, Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort: ancient, recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant, ruined. Ruined mound (Stupa).

Ancient site, watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afraz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

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CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

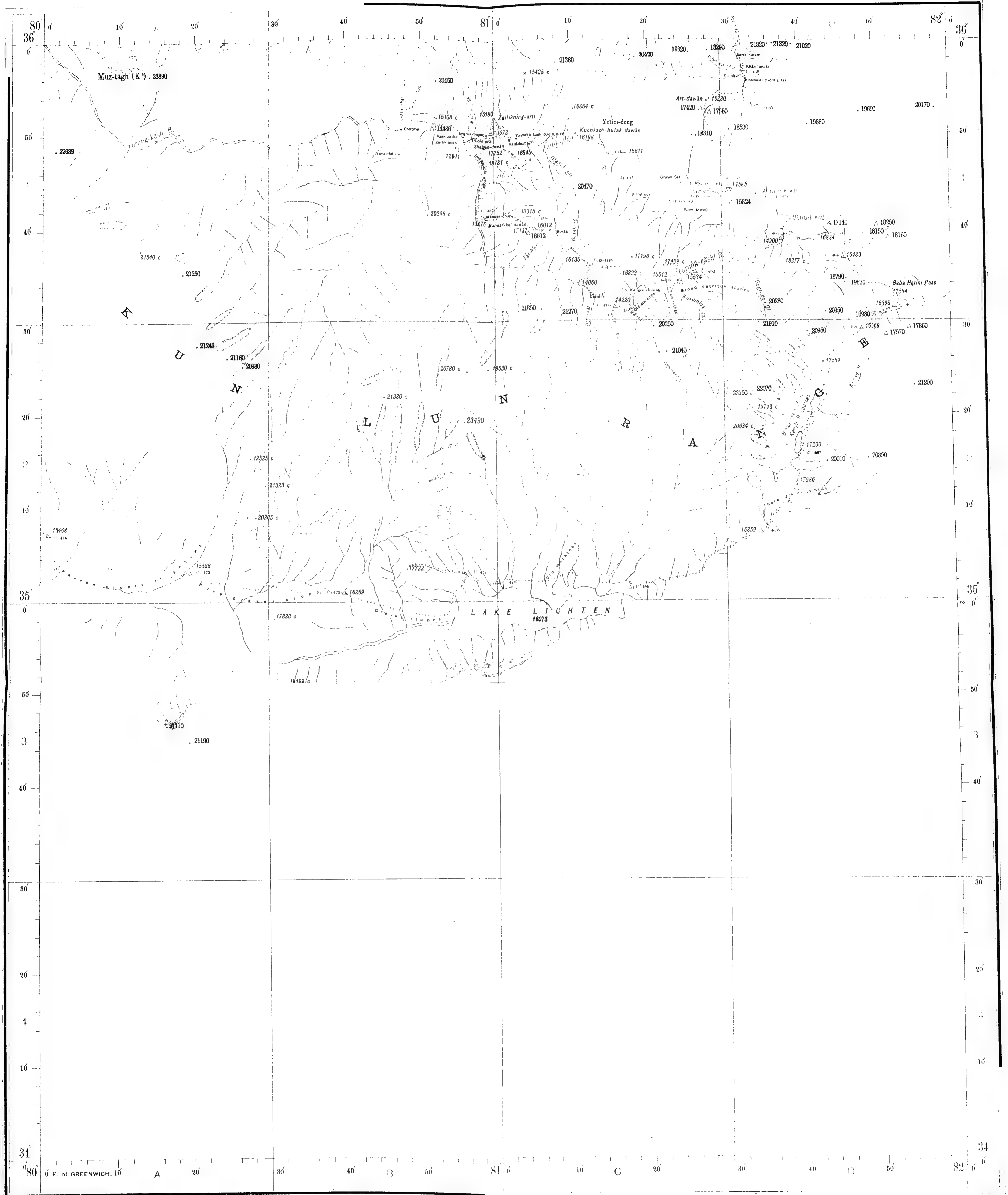
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

YURUNG-KASH AND KERIYA R. SOURCES.

SERIAL No. 15

SURVEY OF INDIA No. 61 N. W.



Scale 1 500,000 or 1 014 inches to 8 Miles

Index to localities

Heights by theodolite, by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yandang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation-unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub, living; dead

Sandy tract with scrub or jungle

Tamansk cones living; dead

Wild poplars (Toghraks) living; dead

Tamarisks: living; dead Conifers

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Scale 1 500,000 or 1 014 inches to 8 Miles

Index to adjoining sheets

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Daryh	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilga, d	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Spring	Well, Karez
Main road	
Other roads and paths with pass	
Telegraph line	
Temple, Muhammadan shrine, Sacred tomb	
Fort, ancient, recent Mine	
Temporarily occupied hut	
Frontier wall ancient, recent	
Walled town extant, ruined. Ruined mound (Stupa)	
Ancient site watch-tower. Cairn	
Route with camp, 1900-01	
Route with camp, 1906-08	
Route with camp, 1913-15	
Camps of Sir A. Stein or Md. Yakub Khan in 1913-15	
Camps of Sir A. Stein and Afriz Gul in 1913-15	
Camps of R. B. Lal Singh in 1913-15	

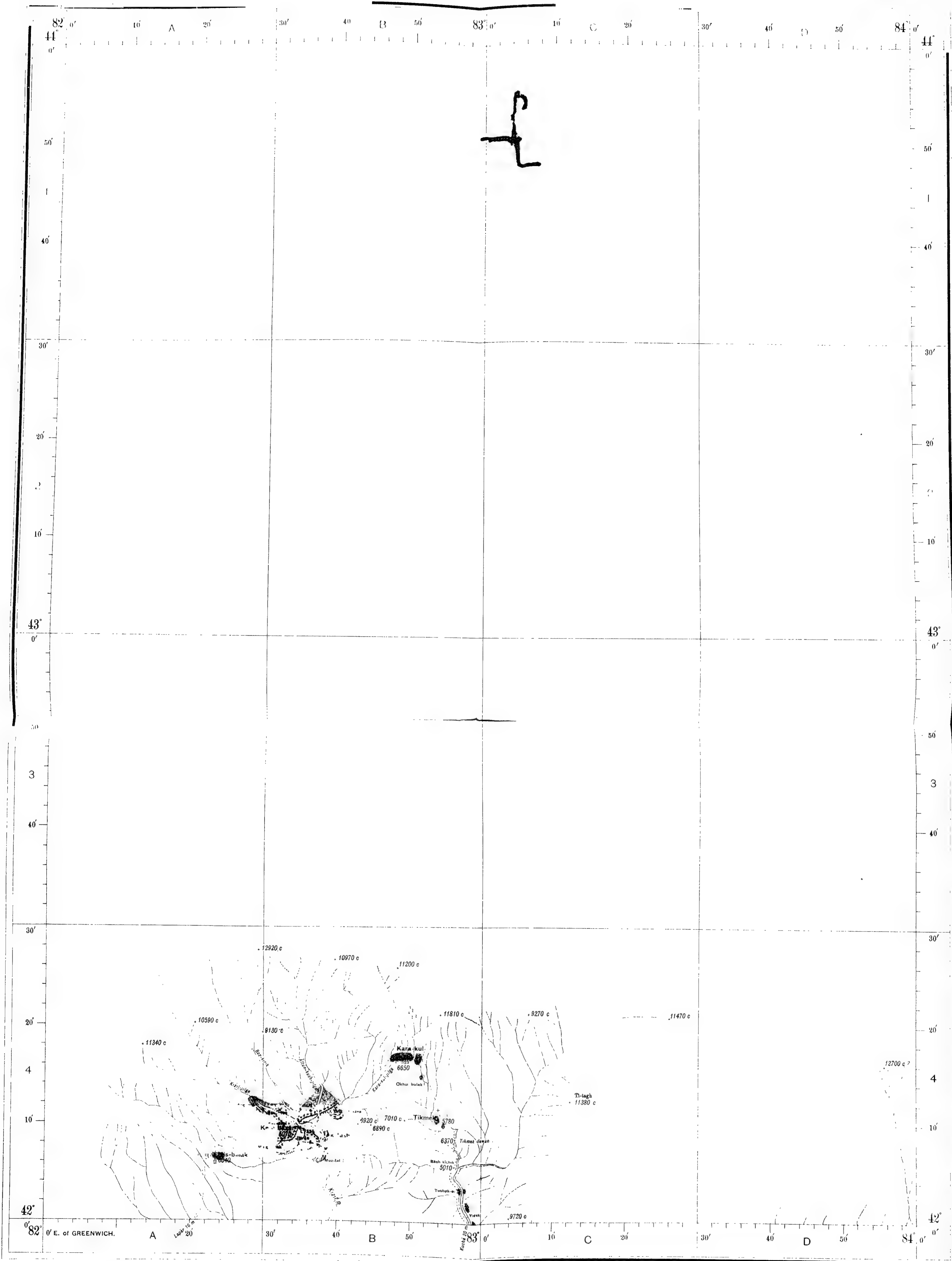
CHINESE TURKISTAN AND KANSU
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15

PART OF SHEET No. N K-44
(CARTE INTERNATIONALE DU MONDE)

KERE-BĀZĀR (BAI)

SERIAL No. 16



Ref. No. 1019 D D D 1318 (2 D 0 3) 51-600

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite, by clinometer . 13277 . 12300 c

Heights by barometer or hypsometer . 12770

Perpetual snow (approximate)

Drift-sand area

Erosion terraces. Mesa; Yardang.

Hard salt crust

Hard salt encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed.

Edges of cultivation, etc., where surveyed

Reeds or low scrub: living; dead

Sandy tract with scrub or jungle

Tamarisk cones, living; dead

Wild poplars (Toghraks) living; dead

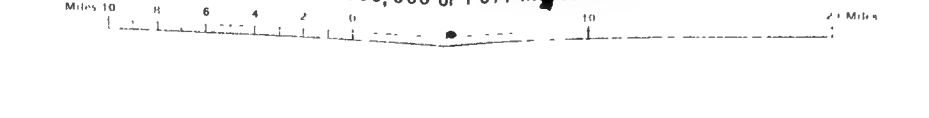
Tamarisks living; dead. Conifers

Index to localities



Published under the direction of Colonel Sir S. G. Burrard, K. C. I. E., F. R. S., Surveyor General of India, 1918.

Scale 1:500,000 or 1:1014 inches to 8 Miles



EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu	Walled village
Chap	Hill stream	Kum	Sand	Sal	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghān	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazār, Mr.	Saint's tomb	Toghrak	Poplar
Jilga, J.	Valley	Miao (Chin.)	Temple	Üstang	Canal
Karaul	Watch station	Öghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

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Heliconographed at the Survey of India Office, Dehra Dun

Spring Well, Karez
Main road
Other roads and paths with pass
Telegraph line
Temple, Muhaminadan shrine Sacred tomb
Fort: ancient; recent Mine
Temporarily occupied hut
Frontier wall, ancient; recent
Walled town, extant, ruined. Ruined mound (Stūpa)
Ancient site: watch-tower. Cairn
Route with camp, 1900-01
Route with camp, 1906-08
Route with camp, 1913-15
Camps of Sir A. Stein or Md. Yakūb Khān in 1913-15
Camps of Sir A. Stein and Afrāz Gul in 1913-15
Camps of R. B. Lāl Singh in 1913-15

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

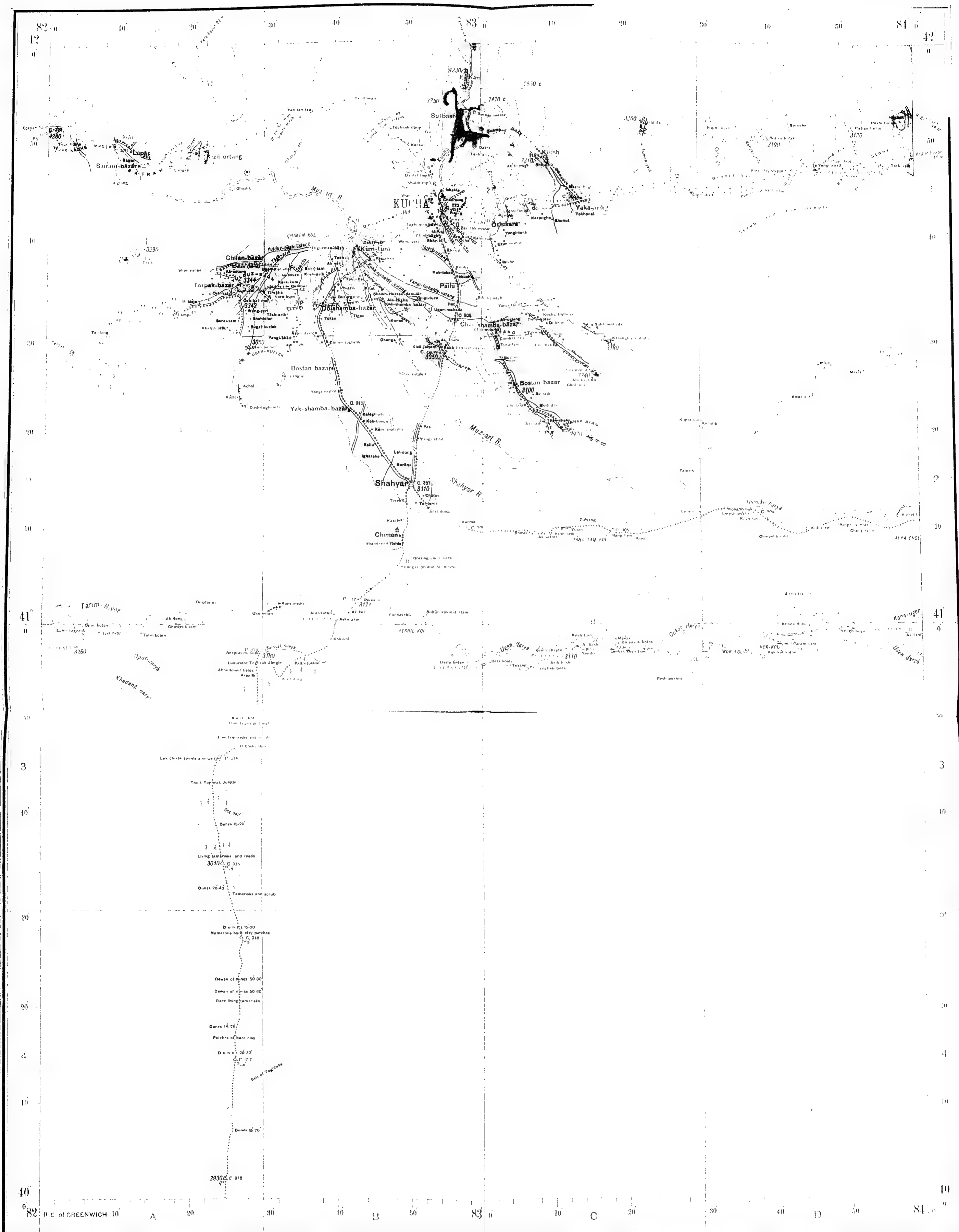
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

PART OF SHEET No N K-44
(CARTE INTERNATIONALE DU MONDE)

KUCHA

SERIAL No. 17



Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite, by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift-sand area

Erosion terraces Mesa, Yardang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living; dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Tohraks) living, dead

Tamarisks, living; dead Conifers

Index to localities

Cape
Ranch
Turk
Shahyar
Boslan

Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., Offg. Surveyor-General of India,

1919

Scale 1:500,000 or 1:614 inches to 8 Miles

Miles 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Po-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J.	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yalik, Yalagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

11	16	21
12	17	21
13	18	22

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town extant, ruined, Ruined mound (Stupa)

Ancient site, watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Mr. Yakub Khan in 1913-15

Camps of Sir A. Stein and Alfred Gul in 1913-15

Camps of R. B. Lai Singh in 1913-15

Copies of this map can be obtained on request from the Survey of India, Office, 1, Map Room and Map Branch, Calcutta. Price: One Rupee.

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

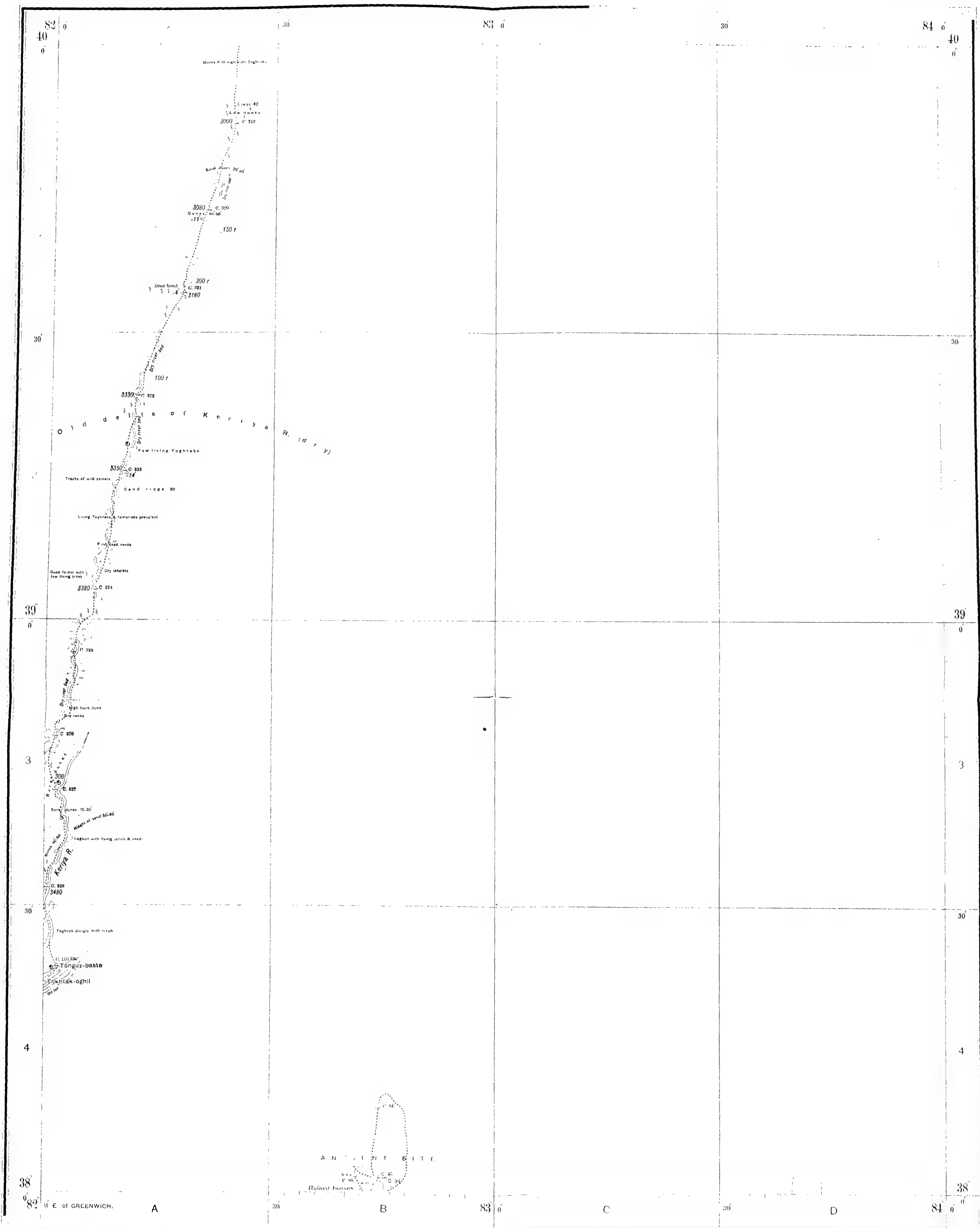
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 60 N.E.

KERIYA RIVER END

SERIAL No. 18



Pub. No. 10110 S. O. 1918 20 0-181-1-10

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite; by clinometer

Heights: by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces: Moss, Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub: living; dead

Sandy tract with scrub or prairie

Tamarisk cones: living; dead

Wild poplars (Toghraks): living; dead

Tamarisks: living; dead: Conifers

Index to localities

Published under the direction of Colonel Sir S. G. Burdard, K.C.S.I., R.E., F.R.S., Surveyor General of India,

1918.

Scale 1:500,000 or 1:1014 inches to 8 miles

Index to adjoining sheets

Photographed at the Survey of India Office, Delhi, India

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bu-ah	Spring	Ku, k. h.	Lake	P'ao-tu, Pu-tu	Walled village
Ch'ao	Hot stream	Kum	Sand	Shan (Chin.)	Occult of stone or gravel
Du-ya	River	Kun-gan	Reeds	Fa-fan (Chin.)	Pass
Du-an	Pass	Kun-gan	Tower	Taghrak	Mountain
U-ji	Lagoon, l.	Rest house	Taghrak	Ustang	Canal
He (Chin.)	River	Saint's tomb	Ustang		
U-ji, l.	Valley	Moss (Chin.)	Temple		
Kar-ol	Watch station	Oghil	Shepherd station	Yatuk, Yatlagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Spring: Well Karer

Main road

Older roads and paths with pass

Telegraph line

Temple: Muhammadan shrine: Sacred tomb

Fort: ancient, recent: Mine

Temporarily occupied hut

Frontier wall: ancient; recent

Walled town: extant; ruined: Ruined mound (Stupa)

Ancient site, watch-tower: Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or M.J. Yakub Khan in 1913-15

Camps of Sir A. Stein and Alfred Guérin in 1913-15

Camps of R. B. Li. Li. Li. in 1913-15

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

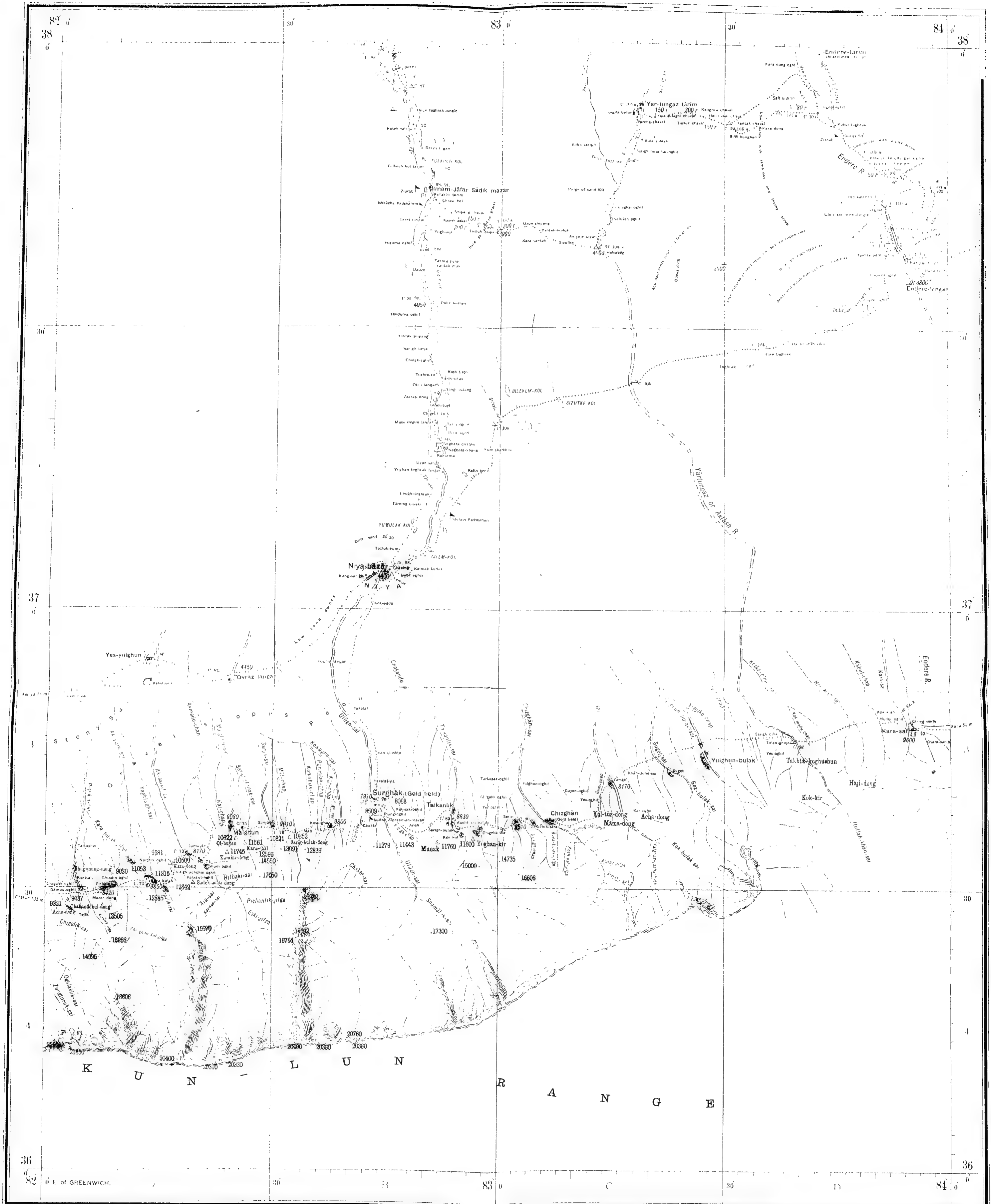
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 60 S. E.

NIYA

SERIAL No. 19



Latitude Stn Azimuth Stn Triangulation Stn	Index to localities	Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.	Index to adjoining sheets	Spring Well Karez
Heights by theodolite; by clinometer	13.77	Scale 1 500,000 or 1 014 inches to 8 Miles	13 18 22	Main road
Heights by barometer or hypsometer	12.770		14 19 23	Other roads and paths with pass
Perpetual snow (approximate)				Telegraph line
Drift sand area				Temple, Muhammadan shrine, Sacred tomb
Erosion terraces, Mesa, Yardang				Fort; ancient; recent Mine
Hard salt crust				Temporarily occupied hut
Hard salt encrusted clay				Frontier wall - ancient, recent
Soft salt encrusted clay				Walled town - extant, ruined, Ruined mound (Stupa)
Cultivation unsurveyed				Ancient site, watch tower, Cairn
Edges of cultivation, etc., where surveyed				Route with camp, 1900-01
Reeds or low scrub (low), desert				Route with camp, 1906-08
Sandy tract with scrub or pasture				Route with camp, 1913-15
Tamarisk cones, living, dead				Camps of Sir A. Stein or Md. Yakub Khan in 1913-15
Wind poplars (Euphratica), living, dead				Camps of Sir A. Stein and Afrāz Gul in 1913-15
Tamarisks, living, dead, Conifers				Camps of R. B. Lal Singh in 1913-15

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

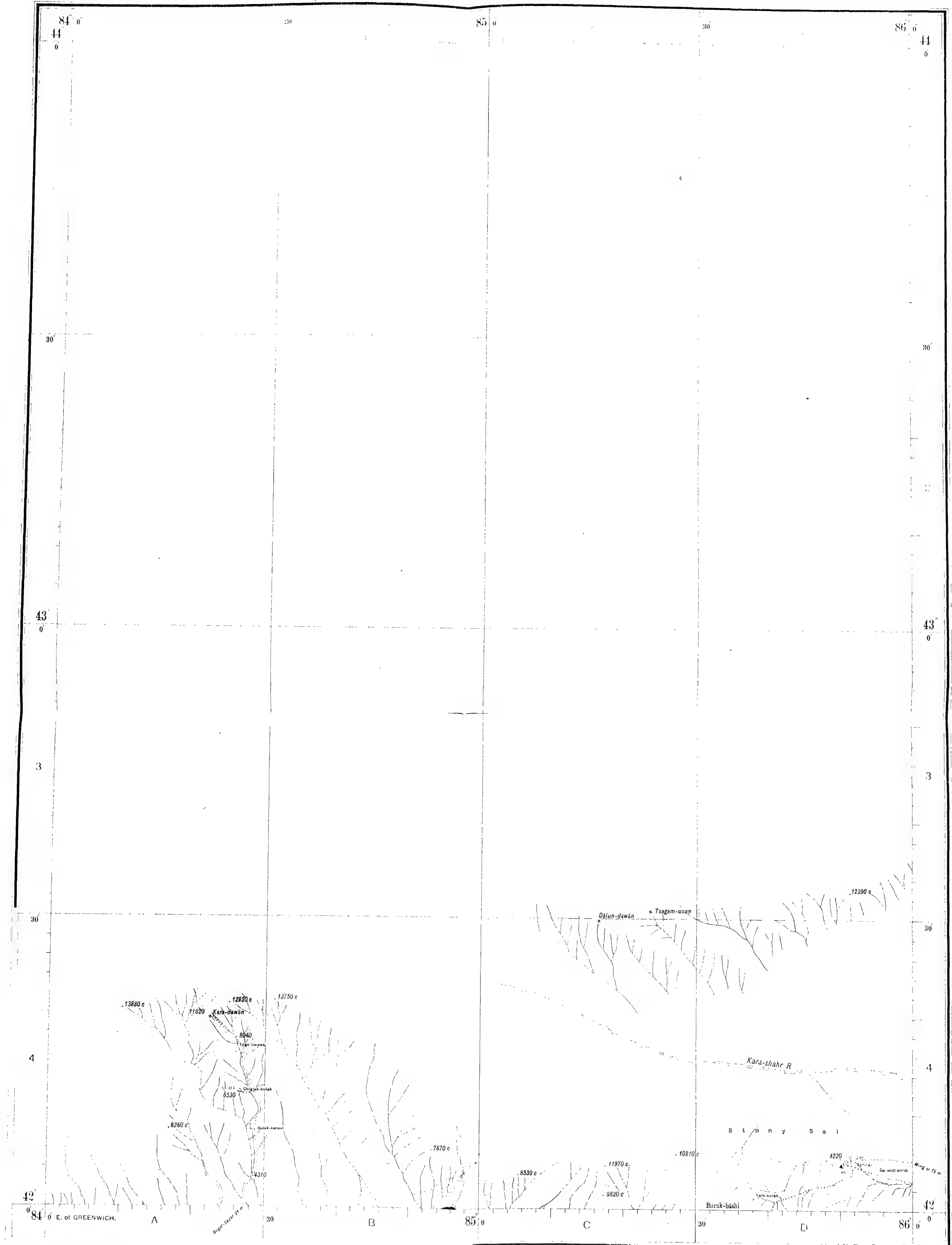
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15

PART OF SHEET No. N. K-45
(CARTE INTERNATIONALE DU MONDE)

KARA DAWAN, KARA SHAHR R.

SERIAL No. 20

No. 1-16 D D D 1918-20 (1-21-800)
Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite, by clinometer .13277 .12100 c

Heights by barometer or hypsometer .12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces: Mesa, Yardang.

Hard salt crust

Hard salt encrusted clay

Soft salt-encrusted clay

Cultivation-unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghraks) living, dead

Tamarisks living, dead Conifers

Index to localities

Kara-dawan

Khara

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, Index to adjoining sheets

1918.

Scale 1 500,000 or 1 014 inches to 8 Miles

Miles 10 20 30

R F

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sui	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Lanc	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple Muhammadan shrine Sacred tomb

Fort: ancient, recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant; ruined. Ruined mound (Stupa)

Ancient site, watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afraz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

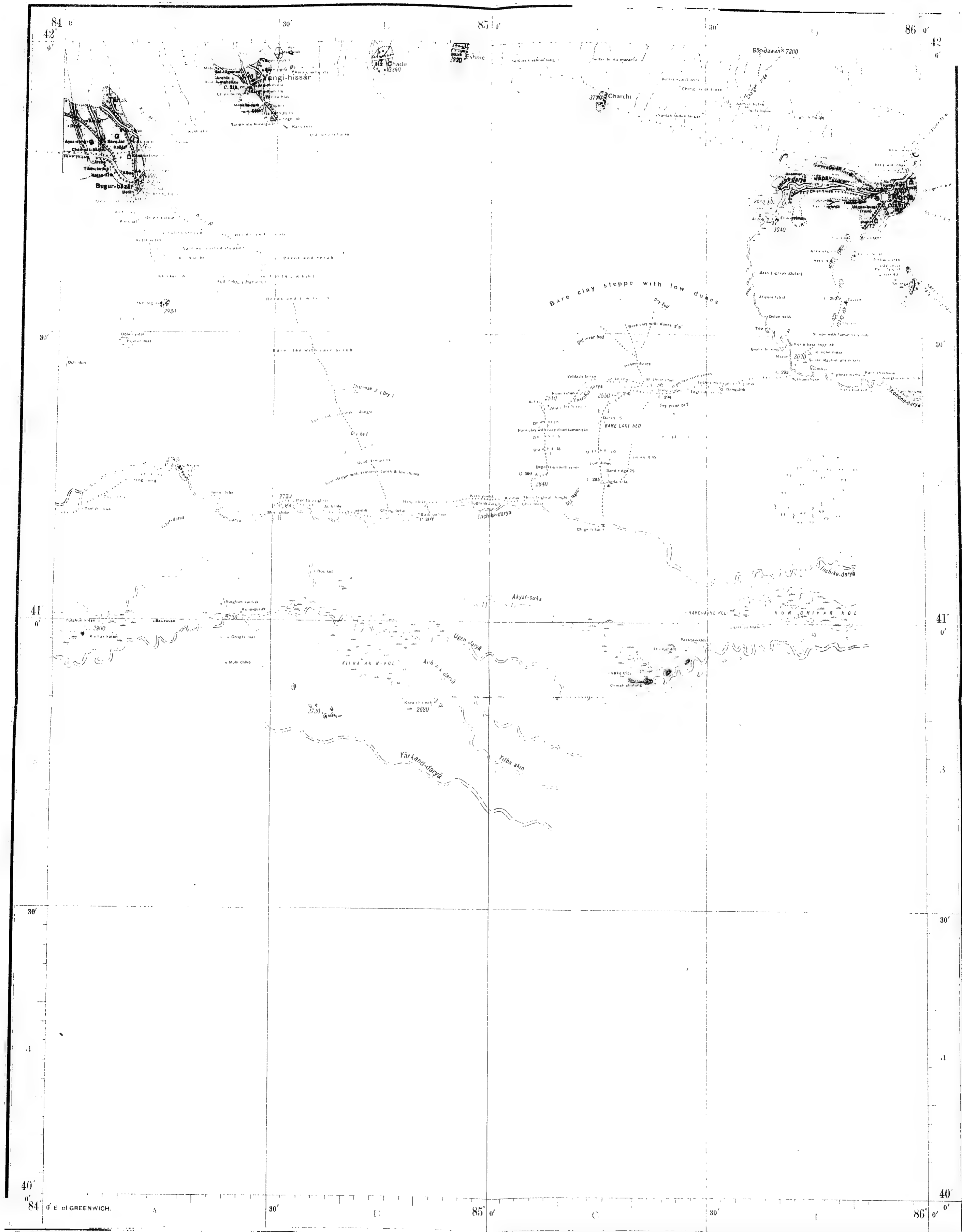
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-45

(CARTE INTERNATIONALE DU MONDE)

BUGUR, KORLA

SERIAL No. 21



Rev. No. 1875 G. D. D. 1914. 21. 11. 1. 1. 1. 1.

Latitude Stn Azimuth Stn Triangulation Stn

Heights: by theodolite, by clinometer 13,277 12,200 c

Heights by barometer or hypsometer 12,770

Perpetual snow (approximate)

Drift-sand area

Erosion terraces Mrs. A. Yandag

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Tamarisks) living, dead

Tamarisks living, dead Conifers

Index to localities

Yang-hissar Korla

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.

Scale 1:500,000 or 1:1014 inches to 8 miles

Miles 10 8 6 4 2 0 10 Miles

Index to adjoining sheets

15 20 21 17 21 25 18 22 26

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	Pao-tzu, Pu-tzu	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan-Chin	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan-Chin	Pass
Dong	Hill	Lingar, Lr	Rest house	Tagh	Mountain
Hu (Chin)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jing, J	Valley	Miao-Chin	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

15 20 21 17 21 25 18 22 26

Spring Well Karez

Main road

Other roads and paths with pass

Telegraph line

Temple Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town extant, ruined, Ruined mound (Stupa)

Ancient site, watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afras Gul in 1913-15

Camps of R. B. Lytton in 1913-15

Map Engraved at the Survey of India Office, Dehra Dun

1:500,000 or 1:1014 inches to 8 miles

1:500,000 or 1:1014 inches to 8 miles

1:500,000 or 1:1014 inches to 8 miles

1:500,000 or 1:1014 inches to 8 miles

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1:500,000 or 1:1014 inches to 8 miles

1:500,000 or 1:1014 inches to 8 miles

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1:500,000 or 1:1014 inches to 8 miles

1:500,000 or 1:1014 inches to 8 miles

1:500,000 or 1:1014 inches to 8 miles

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

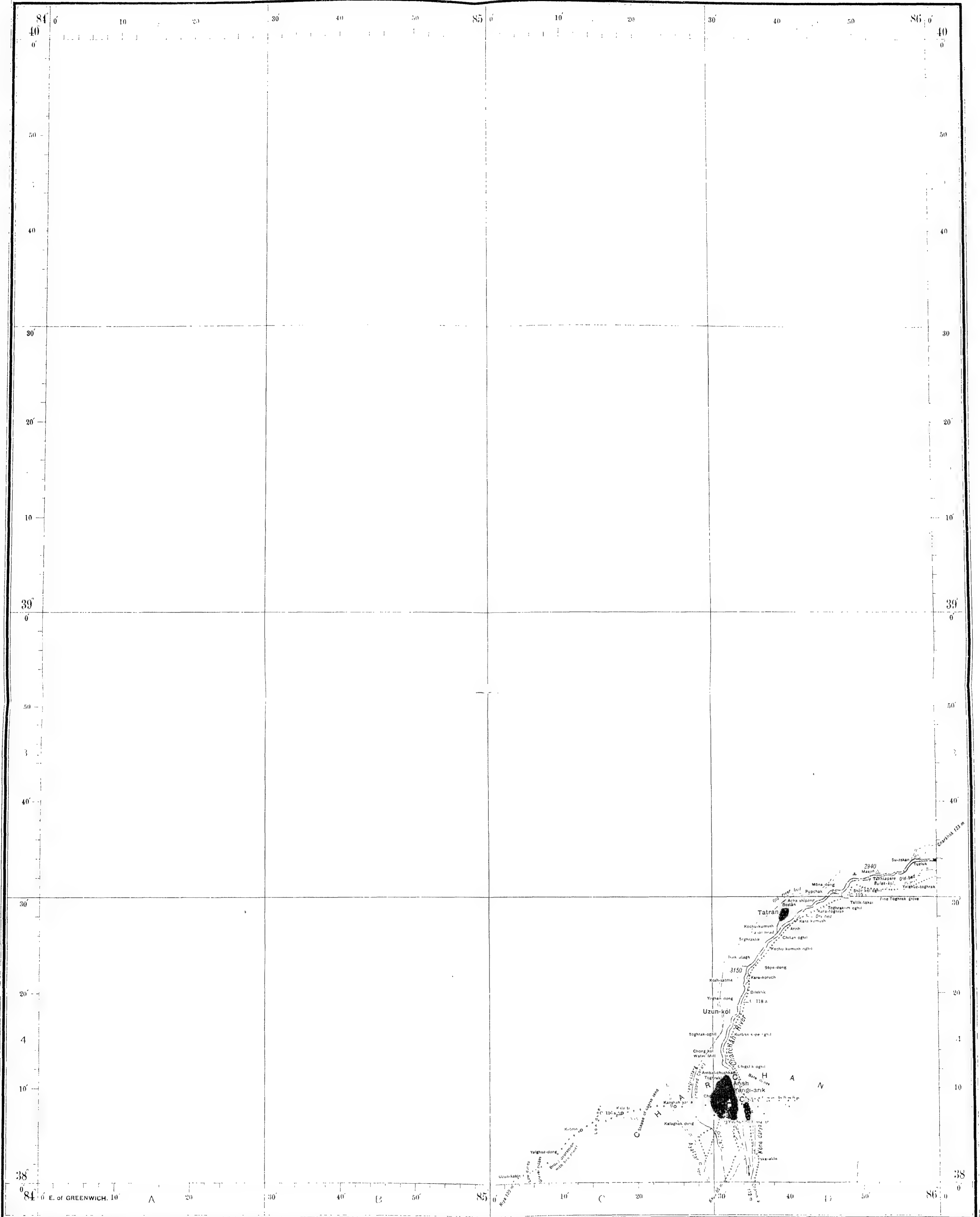
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 69 N. W.

CHARCHAN

SERIAL No. 22



Res. No. 1036 D. O. 1918, 10001-31, 1900	Index to localities	Published under the direction of Colonel Sir S. G. Burdard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.	Index to adjoining sheets	Scale 1 500,000 or 1 014 inches to 8 Miles
Latitude Stn. Azimuth Stn. Triangulation Stn.				
Heights by theodolite, by clinometer	13277	12300 c		
Heights by barometer or hypsometer		12770		
Perpetual snow (approximate)				
Drift-sand area				
Erosion terraces. Mesa, Yardang				
Hard salt crust				
Hard salt encrusted clay				
Soft salt encrusted clay				
Cultivation unsurveyed				
Edges of cultivation, etc., where surveyed				
Reeds or low scrub: living; dead				
Sandy tract with scrub or jungle				
Tamansk cones: living; dead				
Wild poplars (Toghrahs) living; dead				
Tamansks: living; dead Conifers				

EXPLANATION OF SOME TURKI AND CHINESE TERMS					
Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrah	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yaliak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

CHINESE TURKISTAN AND KANSU
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 69 S. W.

KAPA, ACHCHAN

SERIAL No. 23



Latitude Stn. Azimuth Stn. Triangulation Stn.	Index to localities	Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918	Index to adjoining sheets	Spring Well, Karez
Heights: by theodolite, by clinometer	13277 12900	Scale 1 500,000 or 1-014 inches to 8 Miles	18 22 26	Main road
Heights: by barometer or hypsometer	12770		19 23 27	Other roads and paths with pass
Perpetual snow (approximate)				Telegraph line
Drift sand area				Temple: Muhammadan shrine, Sacred tomb
Erosion terraces: Mesa, Yardang				Fort: ancient, recent, Mine
Hard salt crust				Temporarily occupied hut
Hard salt encrusted clay				Frontier wall: ancient, recent
Soft salt encrusted clay				Walled town: extant, ruined, Ruined mound (Stupa)
Cultivation unsurveyed				Ancient site, watch tower, Cairn
Edges of cultivation, etc., where surveyed				Route with camp, 1900-01
Reeds or low scrub living, dead				Route with camp, 1906-08
Sandy tract with scrub or jungle				Route with camp, 1913-15
Tamarisk cones living, dead				Camps of Sir A. Stein or Mr. Yakub Khan in 1913-15
Wild poplars (Tethraks) living, dead				Camps of Sir A. Stein and Alfred Guérin in 1913-15
Tamarisks, living, dead, Conifers				Camps of H. B. Lal Singh in 1913-15

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'an-tzu, Pu-tzu	Walled village
Chap	Hill stream	Kum	Sang	Sai	De-vert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dang	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mi	Saint's tomb	Teghrak	Poplar
Jilca, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghul	Shepherd station	Yalik, Yaliklagh	Grazing ground

Streams etc. which generally contain water are shown in blue

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

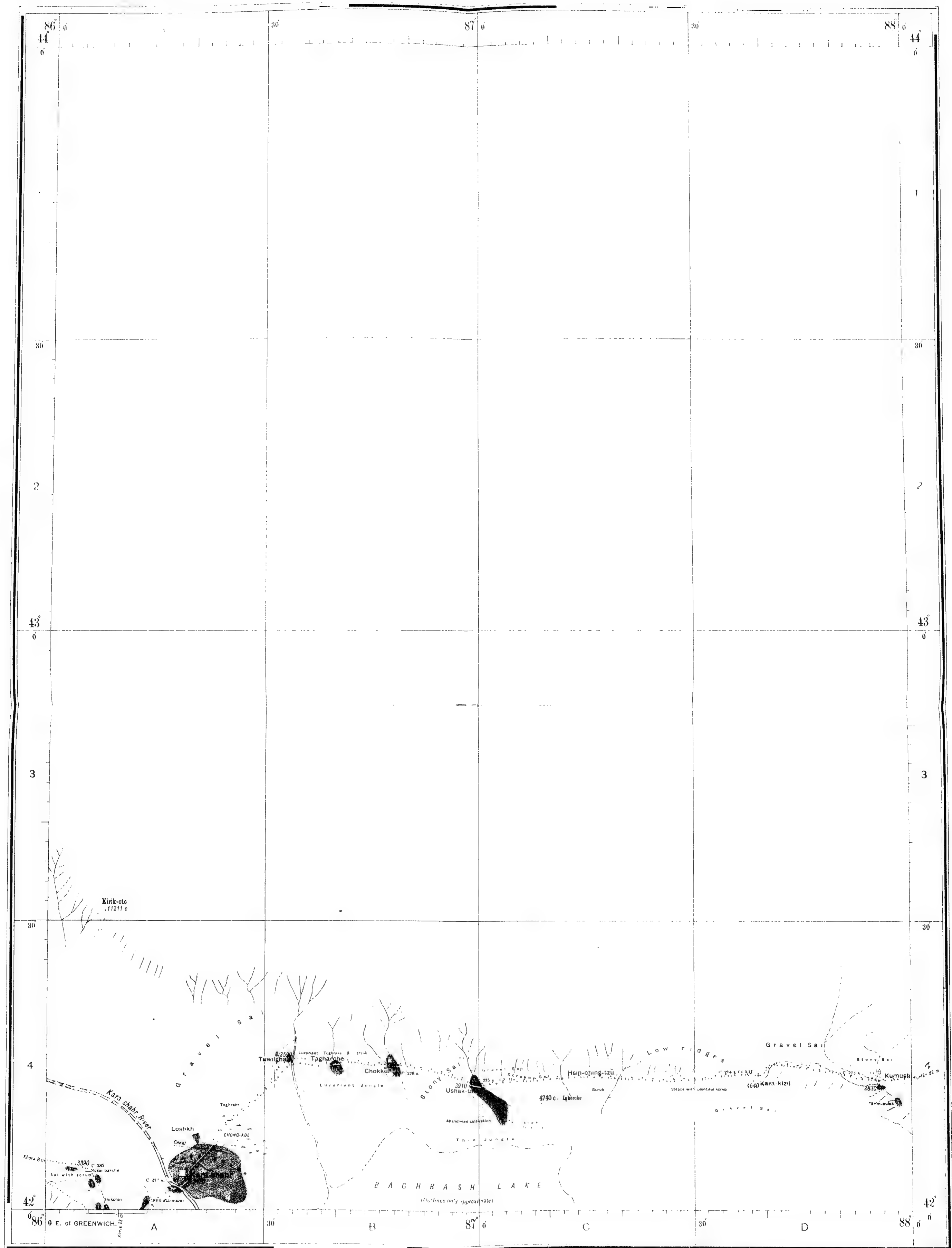
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-45

(CARTE INTERNATIONALE DU MONDE)

KARA-SHAHR.

SERIAL No. 24



Red. No. 10700 D.D. 1913-20 D.S. 1-800

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite, by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa; Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt-encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living; dead

Sandy tract with scrub or jungle

Tamarisk cones living; dead

Wild poplars (Toghraks) living; dead

Tamarisks living; dead Conifers

Index to localities

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India. Index to adjoining sheets.

Measured by the Survey of India Office, Dehra Dun.

Scale 1 500,000 or 1 014 Inches to 8 Miles

Miles 10 8 6 4 2 0 10 20 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak.	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan.	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh.	Mountain
Ho (Chin.)	River	Mazar, Mr.	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yalak, Yalagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Spring Well Karez

Main road

Other roads and paths with pass

Telegraph line

Temple. Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant, ruined Ruined mound (Stupa)

Ancient site, watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afraz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

Copies of this map, on an enlarged scale, are to be obtained from the Survey of India Office, 1 Map Room and Issue Branch, Calcutta. Price: One Rupee.

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

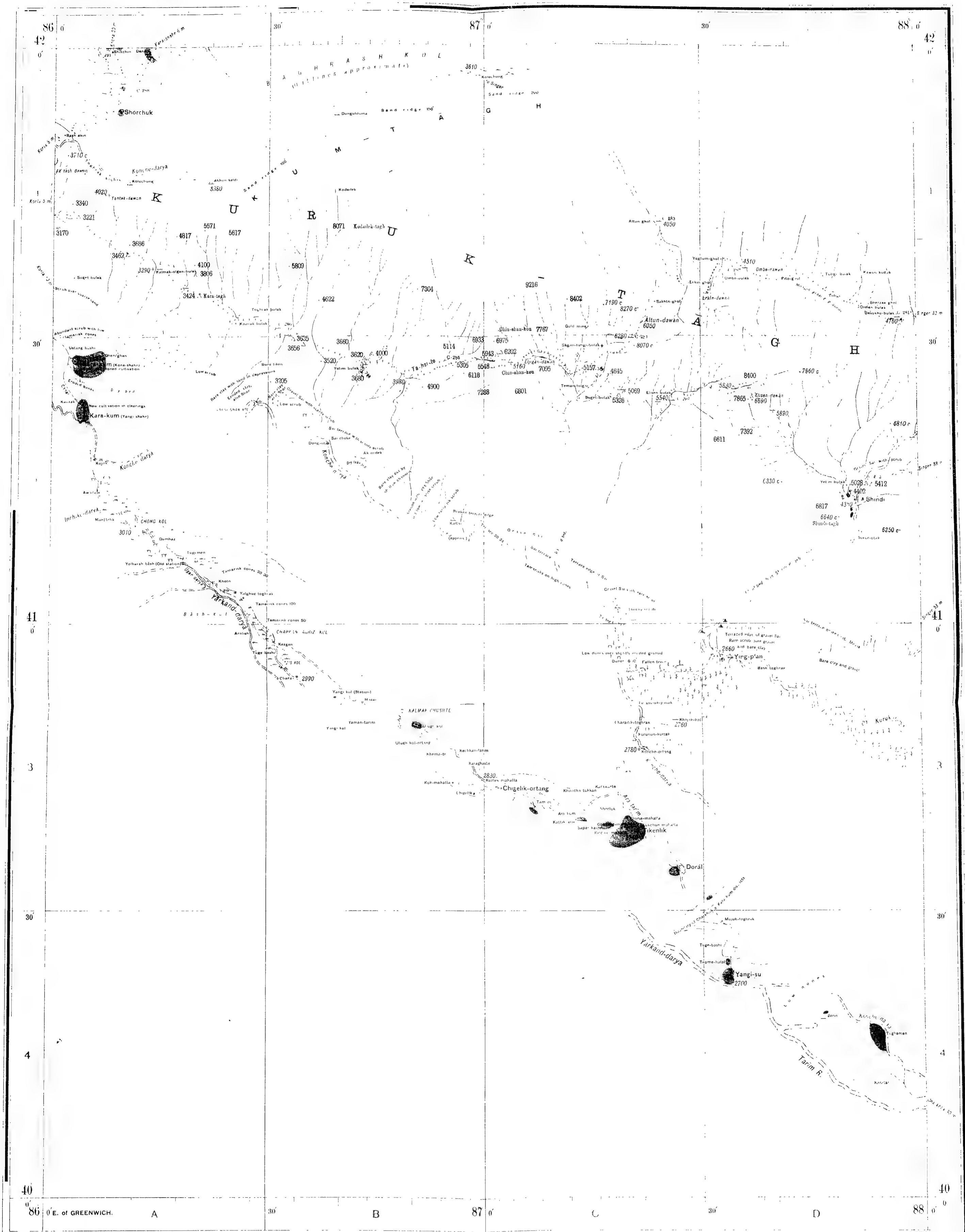
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-45

(CARTE INTERNATIONALE DU MONDE)

KONCHE-DARYÄ

SERIAL No. 25



Index to localities		Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.		Index to adjoining sheets	
Latitude Stn Azimuth Stn Triangulation Stn		Scale 1 500,000 or 1 014 inches to 8 Miles		Spring, Well, Karez	
Heights by theodolite, by clinometer				Main road	
Heights by barometer or hypsometer				Other roads and paths with pass	
Perpetual snow (approximate)				Telegraph line	
Drift-sand area				Temple, Muhammadan shrine, Sacred tomb	
Erosion terraces, Mesa, Yardang				Fort; ancient, recent Mine	
Hard salt crust				Temporarily occupied hut	
Hard salt encrusted clay				Frontier wall; ancient, recent	
Soft salt encrusted clay				Walled town extant, ruined, Ruined mound (Stupa)	
Cultivation unsurveyed				Ancient site, watch-tower, Cairn	
Edges of cultivation, etc., where surveyed				Route with camp, 1900-01	
Reeds or low scrub living, dead				Route with camp, 1906-08	
Sandy tract with scrub or jungle				Route with camp, 1913-15	
Tamarisk cones living, dead				Camps of Sir A. Stein or Md. Yakub Khan in 1913-15	
Wind poplars (Toghrak) living, dead				Camps of Sir A. Stein and Afriz Gul in 1913-15	
Tamarisks living; dead Conifers				Camps of R. B. Lal Singh in 1913-15	

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kul	Lake	P'ao-tzu, Pu-tzu (Chin)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin)	Mountain
Dawan	Pass	Kuighan	Tower	Ta-fan (Chin)	Pass
Dong	Hill	Langai, Lr	Rest house	Tagh	Mountain
Ha (Chin)	River	Mazar, M	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin)	Temple	Ustang	Carav
Karaul	Watch station	Oghul	Shepherd station	Yalak, Yalagh	Grazing ground

Streams to which topography contains water are shown in blue

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

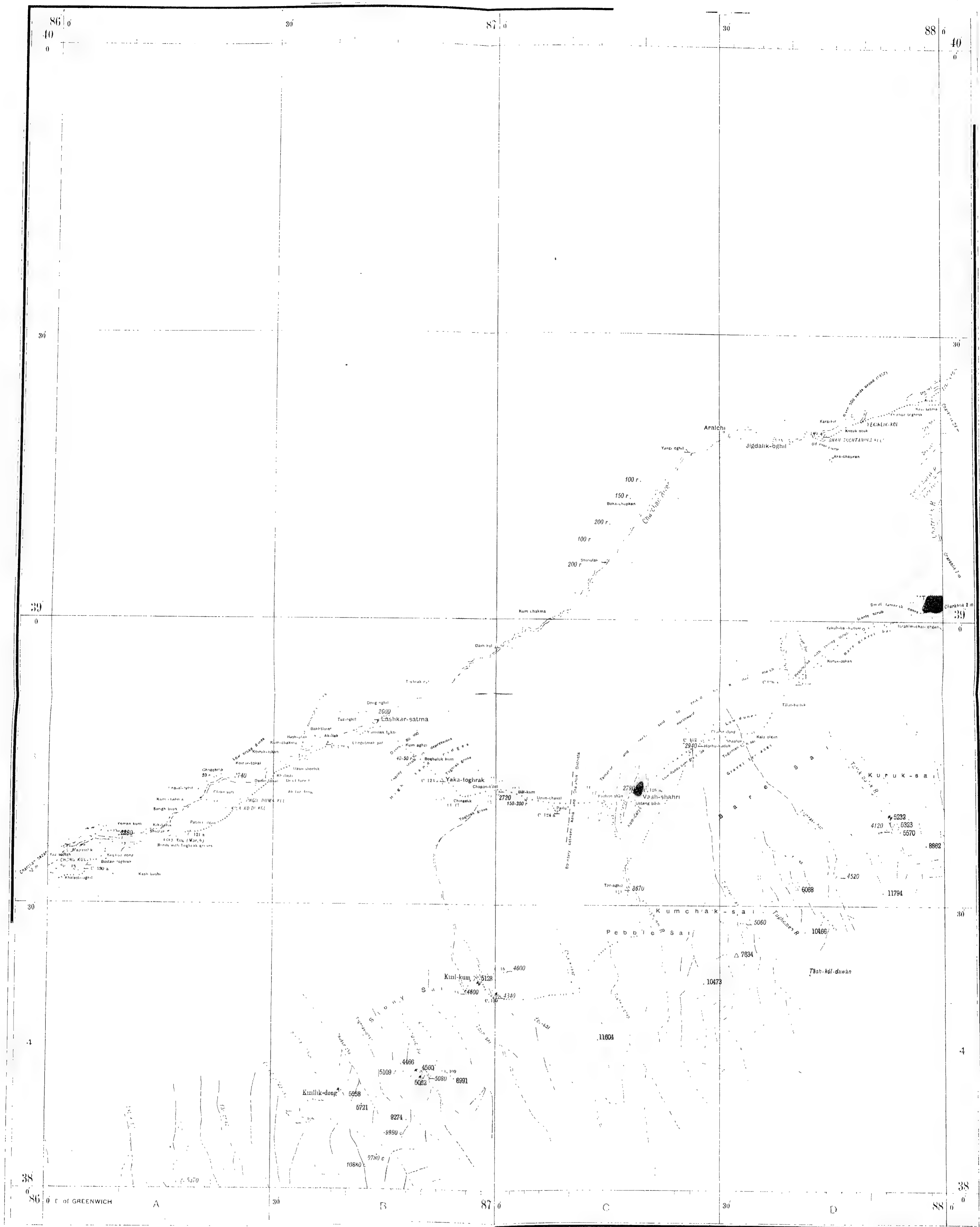
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 69 N. E.

VĀSH-SHAHRI

SERIAL No. 26



Latitude Stn Azimuth Stn Triangulation Stn

Heights by theodolite by clinometer 13277 12890

Heights by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mosa, Yārdān

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub, living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghraks) living, dead

Tamarisks living, dead Conifers

Index to localities

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.

Scale 1 500,000 or 1 014 Inches to 8 Miles

Index to adjoining sheets

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurgan	Tower	Ta-fan (Chin.)	Pass
Dang	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jiga, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghul	Shepherd station	Yalak, Yaliagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort ancient, recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant, ruined Ruined mound (Stupa)

Ancient site, watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrāz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

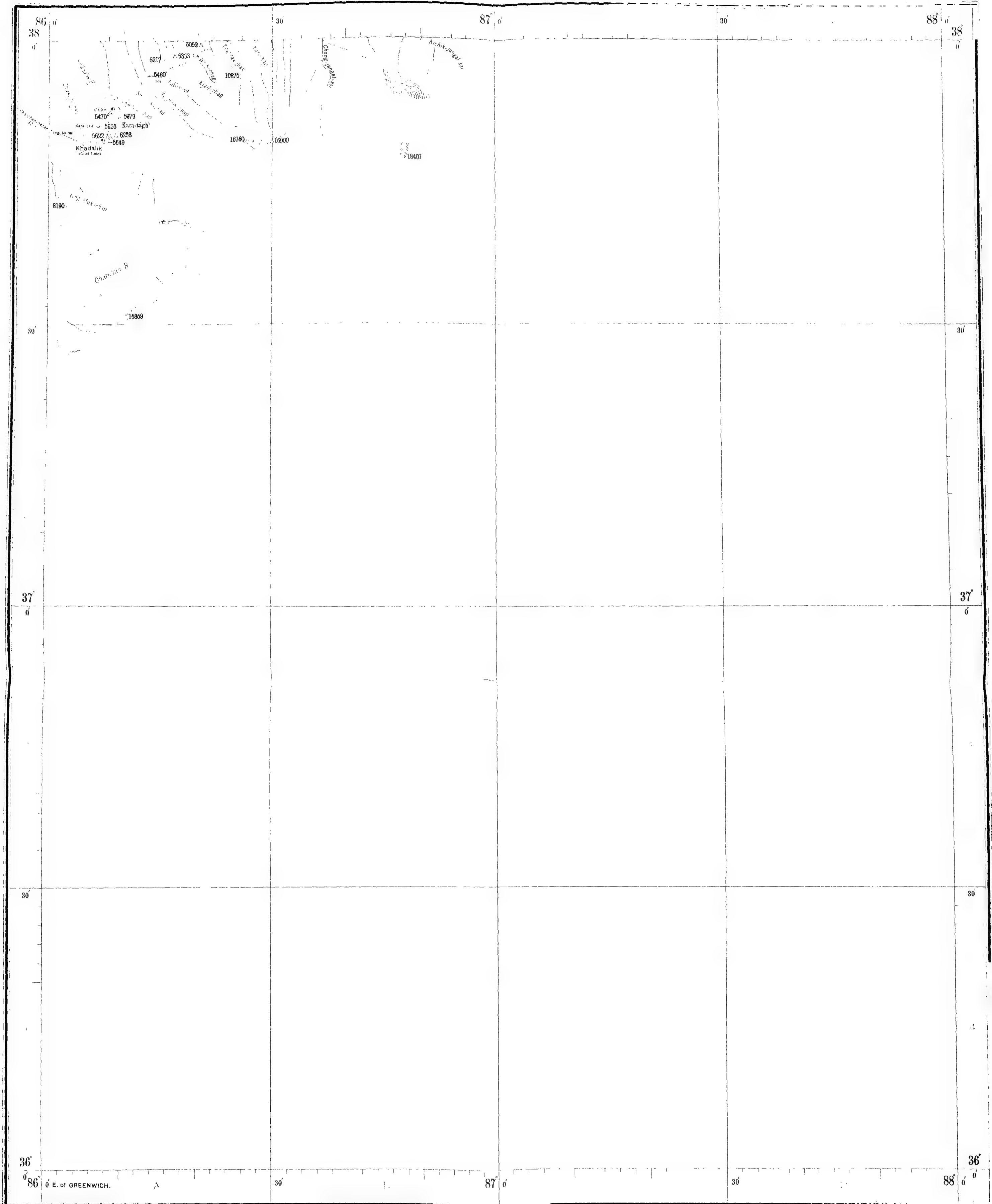
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 69 S. E.

KHĀDALIK.

SERIAL No. 27



Latitude Stn. Azimuth Stn. Triangulation Stn. 13277 12300 c 12770

Heights by theodolite, by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift-sand area

Erosion terraces, Mesa, Yārdang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub, living; dead

Sandy tract with scrub or jungle

Tamarisk cones, living; dead

Wild poplars (Toghraks): living; dead

Tamarisks: living; dead Conifers

Index to localities

Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.

Scale 1:500,000 or 1:1014 inches to 8 miles

Miles 10 8 6 4 2 0 10 20 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kōl	Lake	P'ao-tzu, Pu-tzu	Walled village
Chap.	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Daryā	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawān	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langer, Lr.	Rest house	Tāgh	Mountain
Ho (Chin.)	River	Mazar, Mr.	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Üstang	Canal
Kareul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

Spring Well. Kārēz

Main road

Other roads and paths with pass

Telegraph line

Temple. Muhammadan shrine. Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient; recent

Walled town: extant; ruined. Ruined mound (Stūpa)

Ancient site; watch-tower. Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakūb Khān in 1913-15

Camps of Sir A. Stein and Alfrāz Gul in 1913-15

Camps of R. B. Lāl Singh in 1913-15

SERIAL No. 29



Spring Well, Kārēz

ain road					
ther roads and paths with pass					
telegraph line					
temple	Muhammadian shrine	Sacred tomb	12	11	
ort; ancient; recent	Mine				
temporarily occupied hut					
ontier wall, ancient, recent					
alled town	extant, ruined	Ruined mound (Stupa)	1	2	
ancient site; watch-tower, Cairn			1A37	5	
oute with camp, 1900 01					
oute with camp, 1906 08					
oute with camp, 1913 15					
camps of Sir A. Stein or Md. Yaküb Khan in 1913-15					
camps of Sir A. Stein and Afráz Gul in 1913 15					
camps of R. B. Lal Singh in 1913 15					

Streams etc. which generally contain water are shown in blue

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub: living; dead

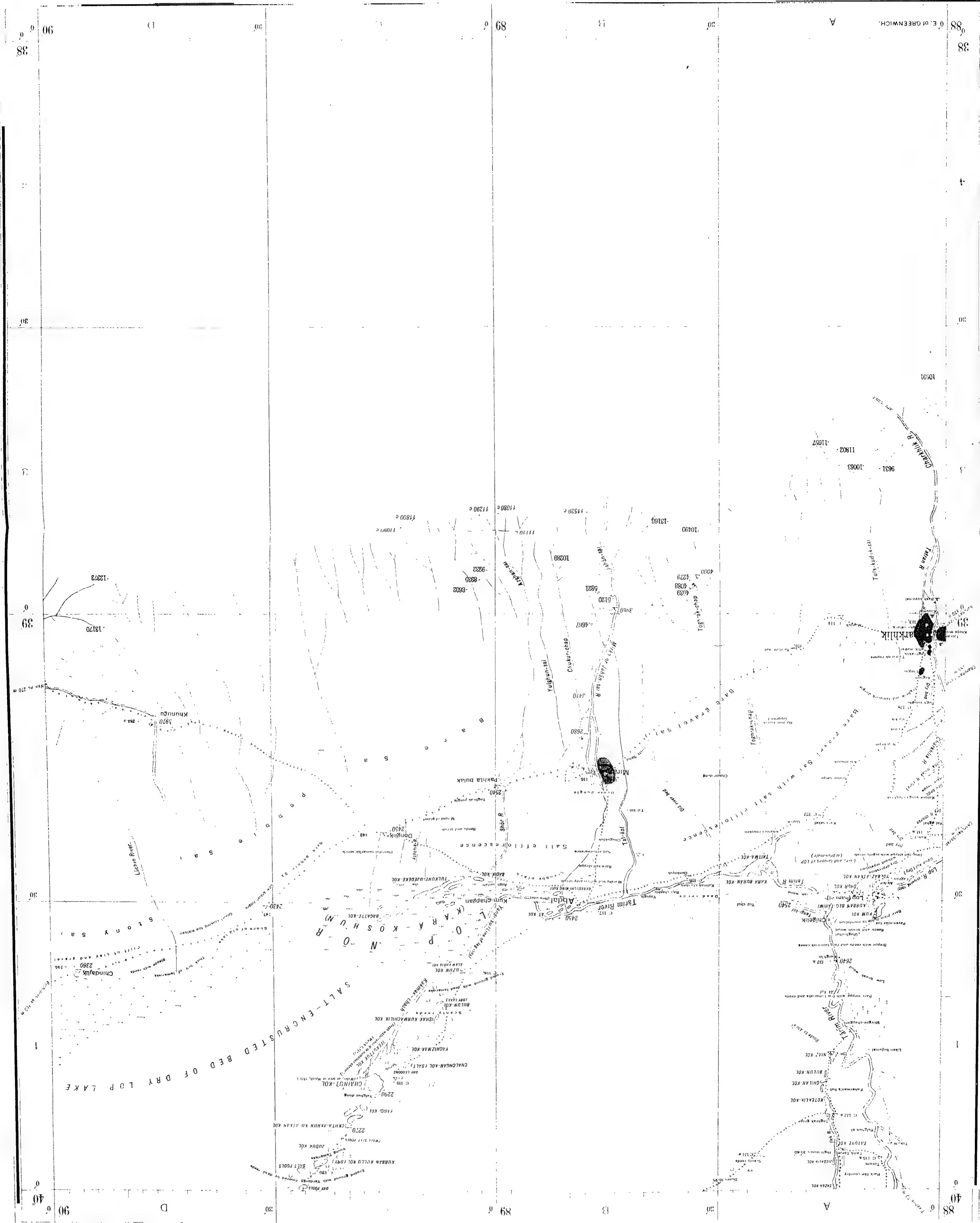
Sandy tract with scrub or jungle

Tamarisk cones: living; dead

Wild poplars (Toghraks): living; dead

Tamarisks: living; dead Conifers

CHINESE TURKISTAN AND KANSU
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E.,
1900-01, 1906-08, 1913-15.



EXPLANATION OF SOME TURKI AND CHINESE TERMS

Walled village	Pao-tzu, Pu-tzu	Shan (Chin.)	Mountain
Sand	Heads	Ta-tan (Chin.)	Pass
Kum	Langar, Mr	Tagh	Mountain
Kul, Kol	Langar, Mr	Tagh	Mountain
Lake	Langar, Mr	Tagh	Mountain
Roil house	Langar, Mr	Tagh	Mountain
Salt house	Langar, Mr	Tagh	Mountain
Temple	Langar, Mr	Tagh	Mountain
Shop	Langar, Mr	Tagh	Mountain
Shepherd station	Langar, Mr	Tagh	Mountain
Yai-lah, Tai-lah	Langar, Mr	Tagh	Mountain
Grazing ground	Langar, Mr	Tagh	Mountain

Streams etc. which generally contain water are shown in blue

Hard salt crust
Hard salt encrusted clay
Soil salt encrusted clay
Cultivation - unsurveyed
Edges of cultivation, etc., where surveyed
Reeds or low scrub living; dead
Sandy tract with scrub or jungle
Tamarisk cones living; dead
Wind poplars (Tophraks) living; dead
Tamarisks - living; dead Conifers

Drift sand area
Erosion terraces, Mesa, Yardang
Perpetual snow (approximate)
Heights by barometer or hypsometer
Heights by theodolite; by clinometer

Latitude Sin Azimuth Sin Triangulation Sin
Index to localities

Scale 1: 500,000 or 1: 1014 inches to 8 Miles
1918

Published under the direction of Colonel Sir S. G. Burdett, K.C.S.I., R.E., F.R.S., Surveyor General of India,
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Main road
Other roads and paths with pass
Telegraph line
Fort; ancient; recent Mine
Temporarily occupied hut
Frontier wall - ancient, recent
Walled town extant, ruined, Ruined mound (Stupa),
Ancient site; watch-tower, Cairn
Route with camp, 1906-08
Route with camp, 1913-15
Camps of Sir A. Stein and Alfred Gull in 1913-15
Camps of R. B. Lat Smith in 1913-15

Spring Well, Karez
Spring Well, Karez

Spring Well, Karez

Spring Well, Karez

Spring Well, Karez

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Spring Well, Karez

Spring Well, Karez

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

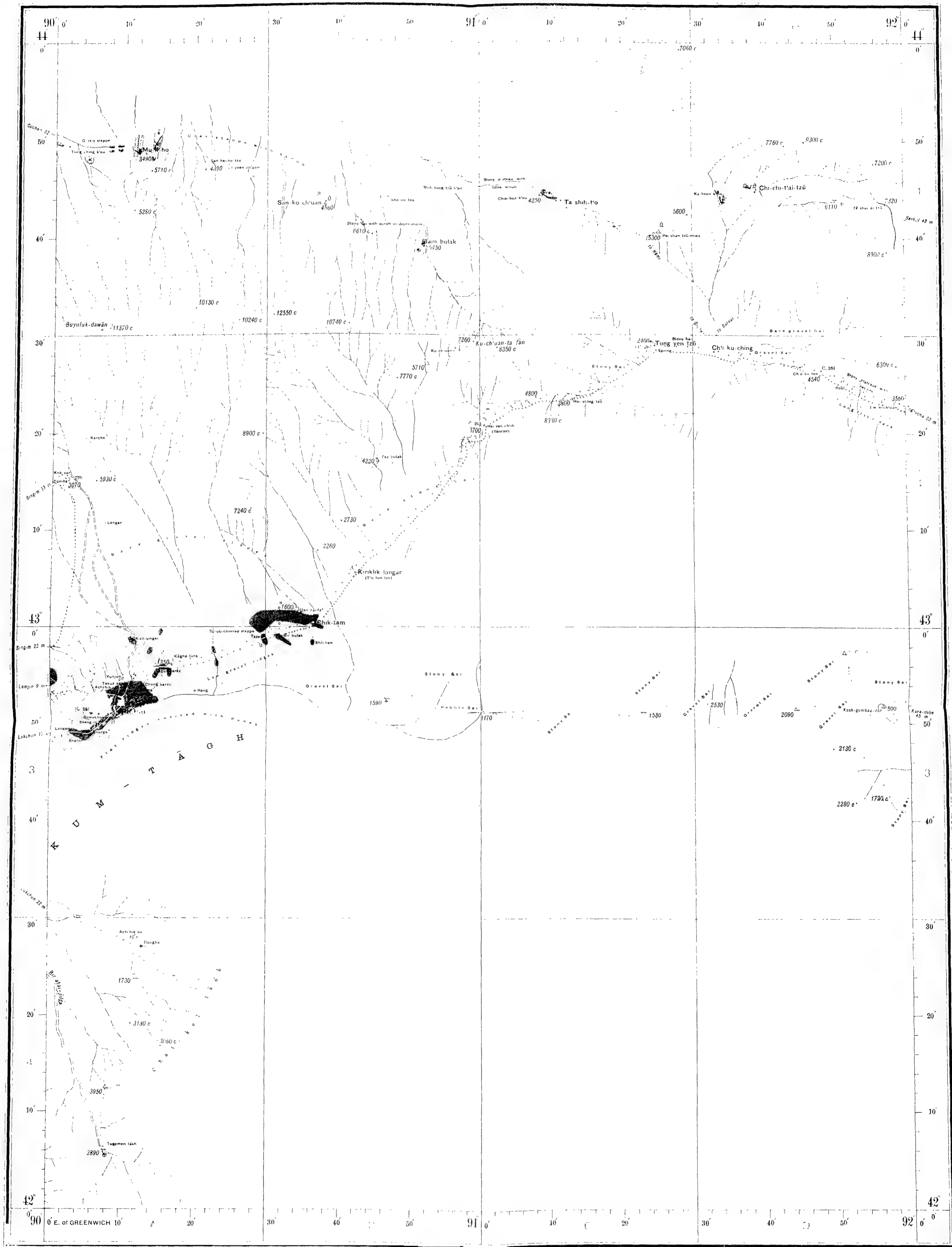
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-46

(CARTE INTERNATIONALE DU MONDE)

PICHAN, CHIK-TAM.

SERIAL No. 31



Latitude Stn. Azimuth Stn. Triangulation Stn.	Index to localities	Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., RE., Surveyor General of India.	Index to adjoining sheets
Heights by theodolite, by clinometer	Scale 1: 500,000 or 1: 1014 inches to 8 Miles	1920	Spring Well. Kārēz
Heights by barometer or hypsometer			Other roads and paths with pass
Perpetual snow (approximate)			Telegraph line
Drift-sand area			Temple Muhammadan shrine Sacred tomb
Erosion terraces: Mesa; Yardang			Fort: ancient, recent Mine
Hard salt crust			Temporarily occupied hut
Hard salt-encrusted clay			Frontier wall: ancient, recent
Soft salt-encrusted clay			Walled town: extant; ruined. Ruined mound (Stūpa)
Cultivation, unsurveyed			Ancient site; watch-tower Calm
Edges of cultivation, etc., where surveyed			Route with camp, 1900-01
Reeds or low scrub: living; dead			Route with camp, 1906-08
Sandy tract with scrub or jungle			Route with camp, 1913-15
Tamarisk cones, living; dead			Camps of Sir A. Stein or Md. Yakub Khan in 1913-15
Wild poplars (Tograks): living; dead			Camps of Sir A. Stein and Afrāz Gul in 1913-15
Tamarisks: living; dead Conifers			Camps of R. B. Lal Singh in 1913-15

Streams etc. which generally contain water are shown in blue

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

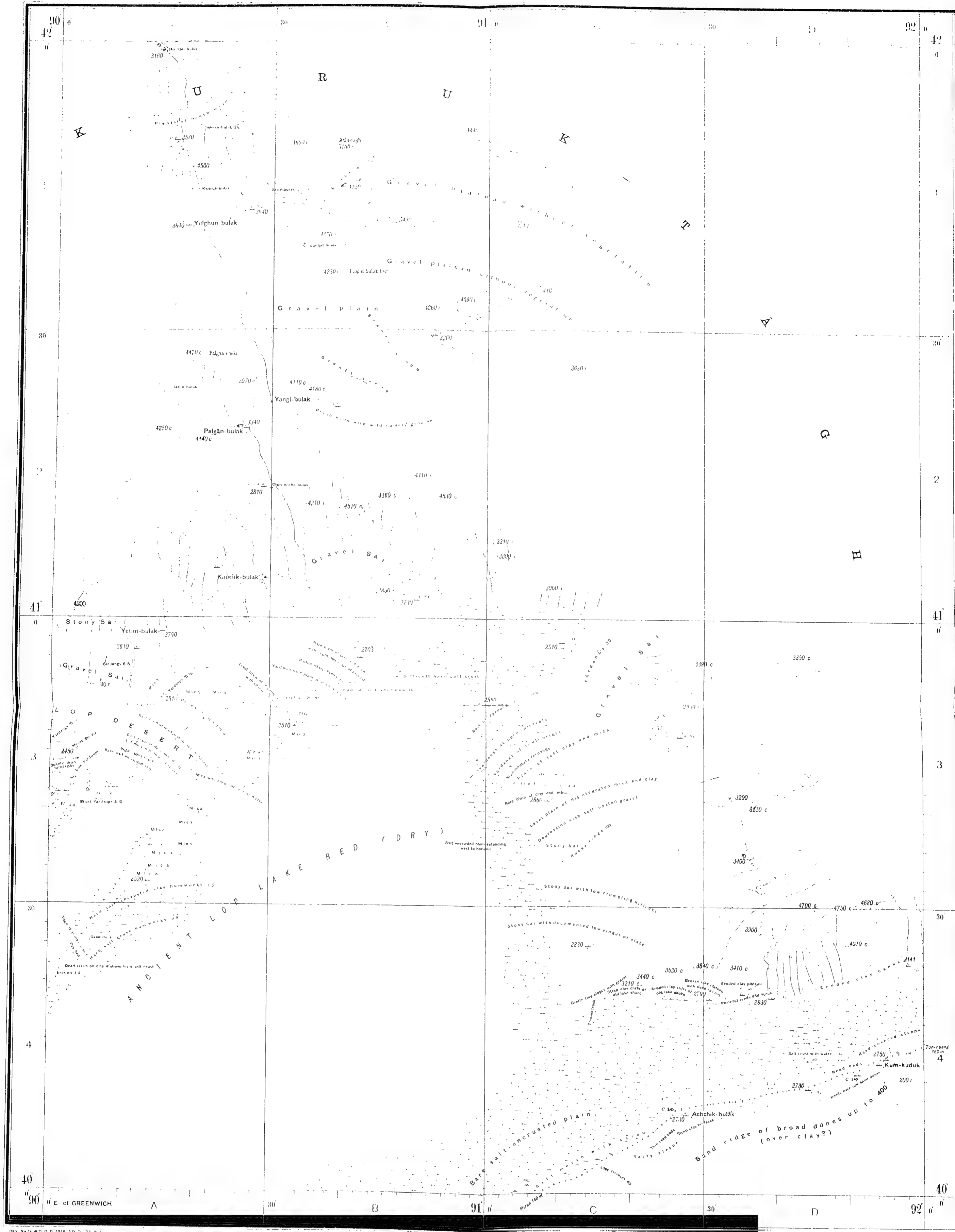
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15

PART OF SHEET No. N. K-46
(CARTE INTERNATIONALE DU MONDE)

ANCIENT LOP LAKE BED.

SERIAL No. 32



From No. 1046 D.D. 1918 20 0 31-00

Latitude Stn Azimuth Stn Triangulation Stn

Heights by theodolite, by clinometer 13277 12300

Heights by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mts., Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living; dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghraks) living, dead

Tamarisks living dead Conifers

Index to localities

Yulghun bulak

Kaurik bulak

Kum-kuduk

Kaurik bulak

Kaurik bulak

Kaurik bulak

Kaurik bulak

Kaurik bulak

Kaurik bulak

Kaurik bulak

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Kaurik bulak

Kaurik bulak

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Scale 1 500,000 or 1 014 inches to 8 Miles

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28 31 31

29 32 35

30 33 36

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurgan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Le	Rest house	Tagh	Mountain
Hu (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilqat, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghul	Shepherd station	Yulak, Yulagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort ancient, recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant; ruined. Ruined mound (Stupa)

Ancient site, watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afriz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

Rephotographed at the Survey of India Office, Calcutta

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

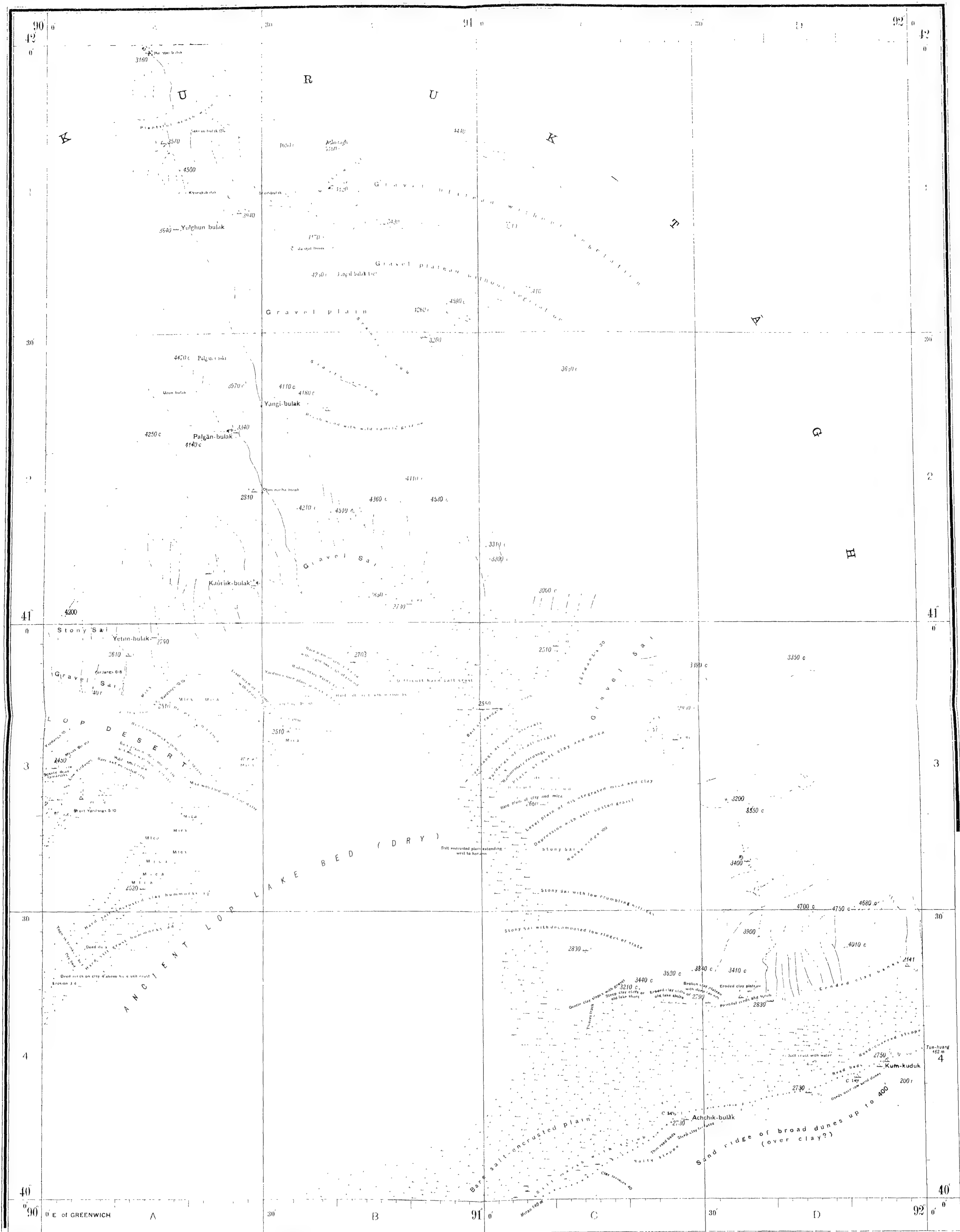
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15

PART OF SHEET No. N. K-46
(CARTE INTERNATIONALE DU MONDE)

ANCIENT LOP LAKE BED.

SERIAL No. 32



Hrs. No. 1000 D. D. 1910 20 0 31 0 0

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite, by clinometer

Heights by barometer or hypsometer

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living; dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghraks) living, dead

Tamarisks living dead Conifers

Index to localities

Yulghun bulak

Kadriuk bulak

Kum-kuduk

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Scale 1 500,000 or 1 014 inches to 8 Miles

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EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurgan	Tower	Ta-fan (Chin.)	Pass
Dang	Hill	Langar, Lr	Road house	Tagh	Mountain
Hu (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilqa, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghul	Shepherd station	Yulak, Yailagh	Grazing ground

Streams etc., which generally contain water are shown in blue

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort, ancient, recent, Mine

Temporarily occupied hut

Frontier wall, ancient, recent

Walled town, extant; ruined, Ruined mound (Stupa)

Ancient site, watch-tower, Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afriz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

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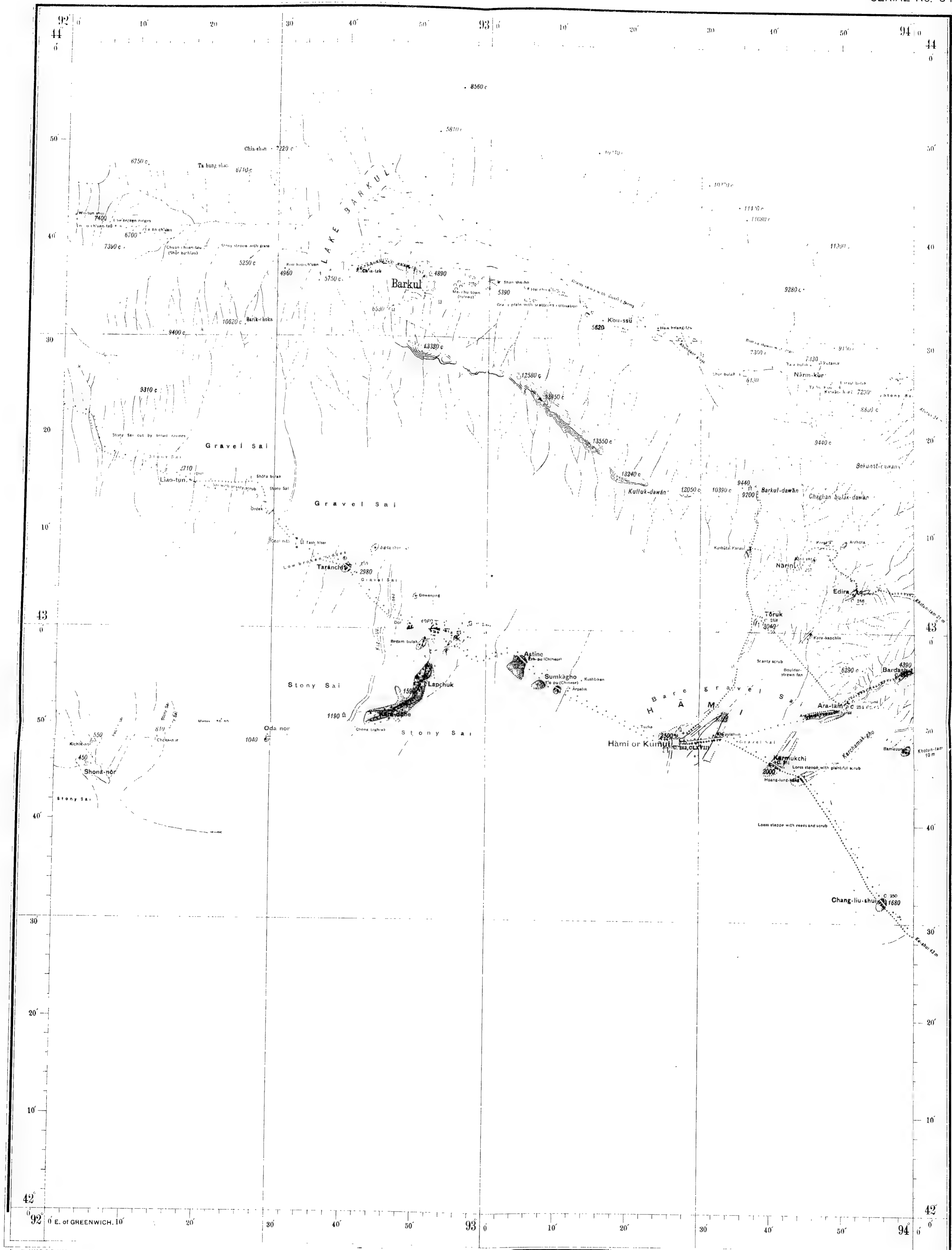
CHINESE TURKISTAN AND KANSU
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15

PART OF SHEET No. N. K-46
(CARTE INTERNATIONALE DU MONDE)

BARKUL, HAMI.

SERIAL No. 34



Latitude Stn Azimuth Stn Triangulation Stn

Heights: by theodolite; by clinometer	13277	12390 c
Heights: by barometer or hypsometer		12770
Perpetual snow (approximate)		
Drift-sand area		
Erosion terraces, Mesa; Yardang		
Hard salt crust		
Hard salt encrusted clay		
Soft salt-encrusted clay		
Cultivation: unsurveyed		
Edges of cultivation, etc., where surveyed		
Reeds or low scrub: living; dead		
Sandy tract with scrub or jungle		
Tamarisk cones: living; dead		
Wild poplars (Toghrahs): living; dead		
Tamarisks: living; dead Conifers		

Index to localities

Barkul
Toghraks
Shona nor
Hami

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Scale 1: 500,000 or 1:014 inches to 8 Miles

Miles 10 5 0 5 10

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawān	Pass	Kurgān	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tāgh	Mountain
Ho (Chin.)	River	Mazār, Mr	Saint's tomb	Toghrah	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets Spring Well. Kārēz

31	34	37
32	35	38

Main road
Other roads and paths with pass
Telegraph line
Temple, Muhammadan shrine Sacred tomb
Fort: ancient, recent Mine
Temporarily occupied hut
Frontier wall: ancient, recent
Walled town, extant; ruined. Ruined mound (Stūpa)
Ancient site: watch-tower, Cairn
Route with camp, 1900-01
Route with camp, 1906-08
Route with camp, 1913-15
Camps of Sir A. Stein or Md. Yakūb Khān in 1913-15
Camps of Sir A. Stein and Afrāz Gul in 1913-15
Camps of R. B. Lal Singh in 1913-15

Copies of this map can be obtained on Order from the Survey of India Office (Map Record and Issue Branch), Calcutta Price One Rupee

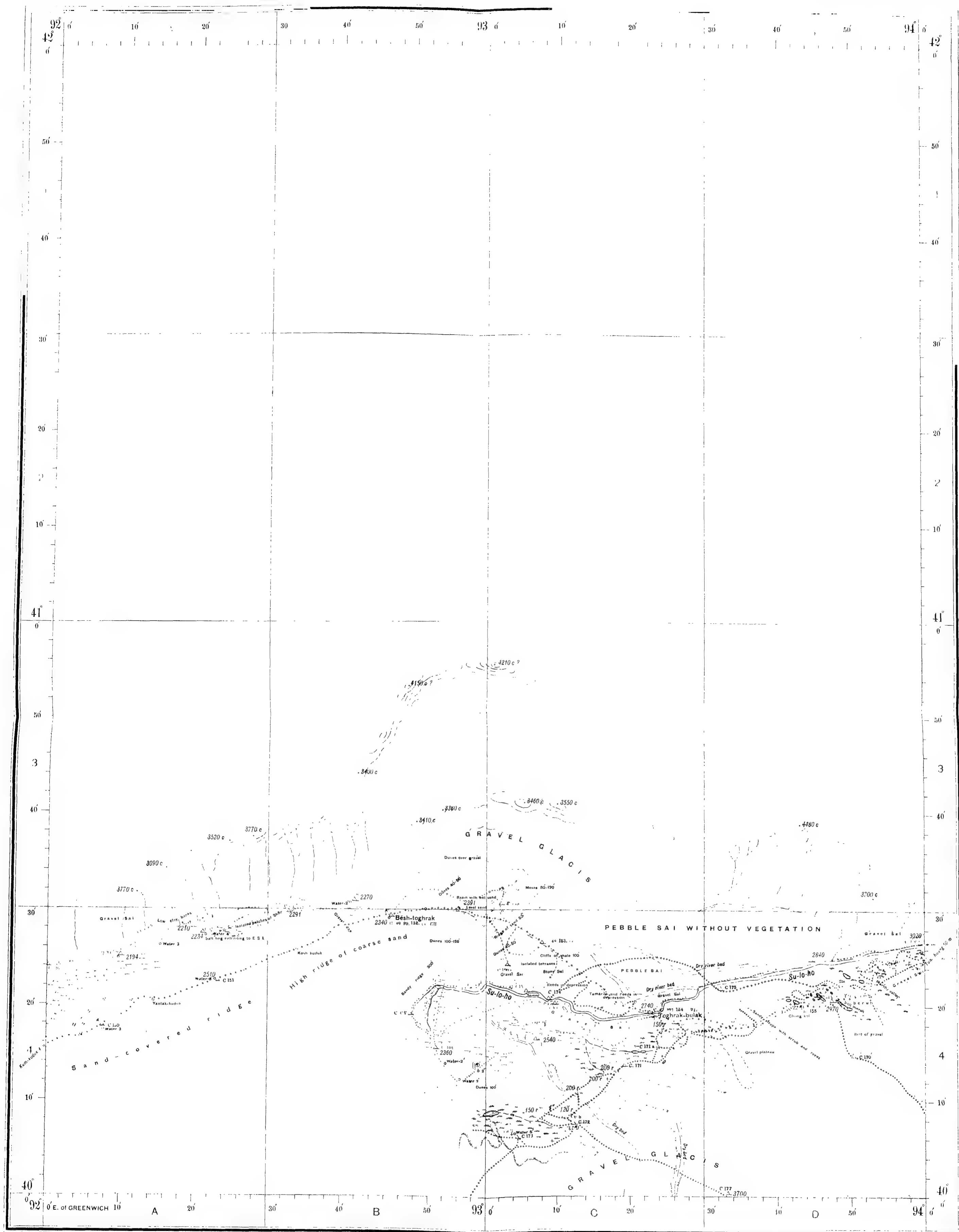
CHINESE TURKISTAN AND KANSU
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E..

1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-46
(CARTE INTERNATIONALE DU MONDE)

SU-LO-HO DELTA.

SURVEY OF INDIA No. 35



Res. No. 1186 D.O.D. 1919 20.7.1919	Latitude Stn. Azimuth Stn. Triangulation Stn.	Index to localities	Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., O.I., Survey-General of India, 1919.	Index to adjoining sheets	Spring Well Karez
Heights by theodolite, by clinometer	13277	12300 c	Scale 1:500,000 or 1:1,014 inches to 8 miles	J1 34 37	Main road
Heights by barometer or hypsometer	12770			32 35 38	Other roads and paths with pass
Perpetual snow (approximate)				33 36 39	Telegraph line
Drift sand area					Temple Muhammadian shrine Sacred tomb
Erosion terraces Mesa, Yardang					Fort ancient, recent Mine
Hard salt crust					Temporarily occupied hut
Hard salt encrusted clay					Frontier wall ancient, recent
Soft salt-encrusted clay					Walled town extant, ruined, Ruined mound (Stupa)
Cultivation unsurveyed					Ancient site, watch-tower Cairn
Edges of cultivation, etc., where surveyed					Route with camp, 1900-01
Reeds or low scrub living; dead					Route with camp, 1906-08
Sandy tract with scrub or jungle					Route with camp, 1913-15
Tamansk cones living, dead					Camps of Sir A. Stein or Md. Yakub Khan in 1913-15
Wild poplars (Toghraks) living; dead					Camps of Sir A. Stein and Afrāz Gul in 1913-15
Tamansk: living, dead Conifers					Camps of R. B. Lal Singh in 1913-15

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

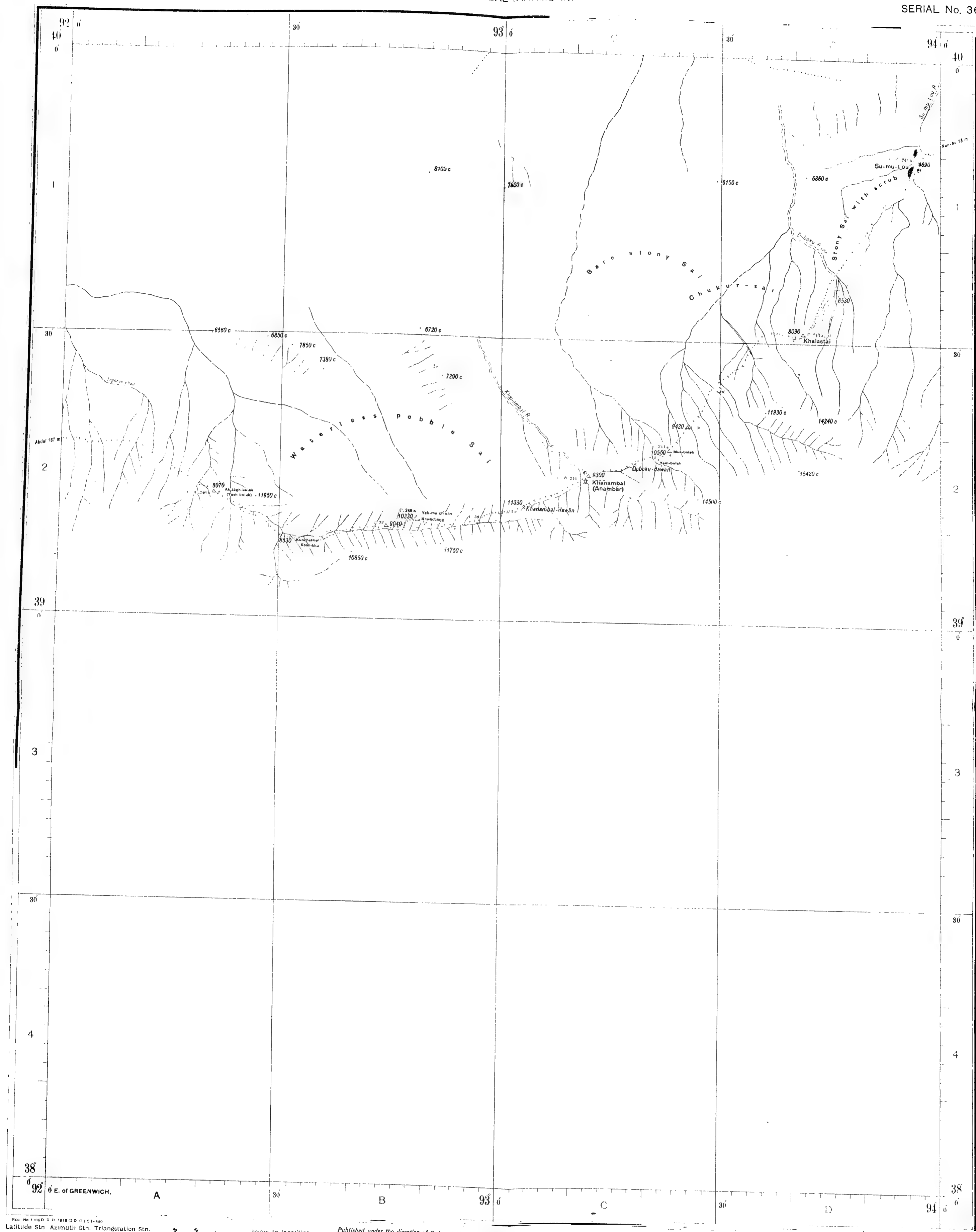
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 80 N. W.

KHANAMBAL (ANAMBAR)

SERIAL No. 36



Revised No. 1 1900 D.D. 1918 (2 D.O.) S.I. 1910

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite, by clinometer . . . 13277 . . . 12300 c

Heights: by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift-sand area

Erosion terraces Mensa; Yardang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living; dead

Sandy tract with scrub or jungle

Tamarisk cones: living, dead

Wild poplars (Toghraks) living; dead

Tamarisks living, dead Conifers

Index to localities

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Scale 1: 500,000 or 1-014 inches to 8 Miles

Miles 10 20 30 40 50 60 70 80 90 100

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32 35 38

33 36 39

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu tzü (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumuh	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghān	Tower	Ts-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Ustunq	Canal
Karaul	Watch station	Oghil	Shepherd station	Yalak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Spring Well Kārēz

Main road

Other roads and paths with pass

Telegraph line

Temple Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant, ruined, Ruined mound (Stupa)

Ancient site, watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Mr. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrāz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

Further information can be obtained from the Survey of India Office, Dehra Dun

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

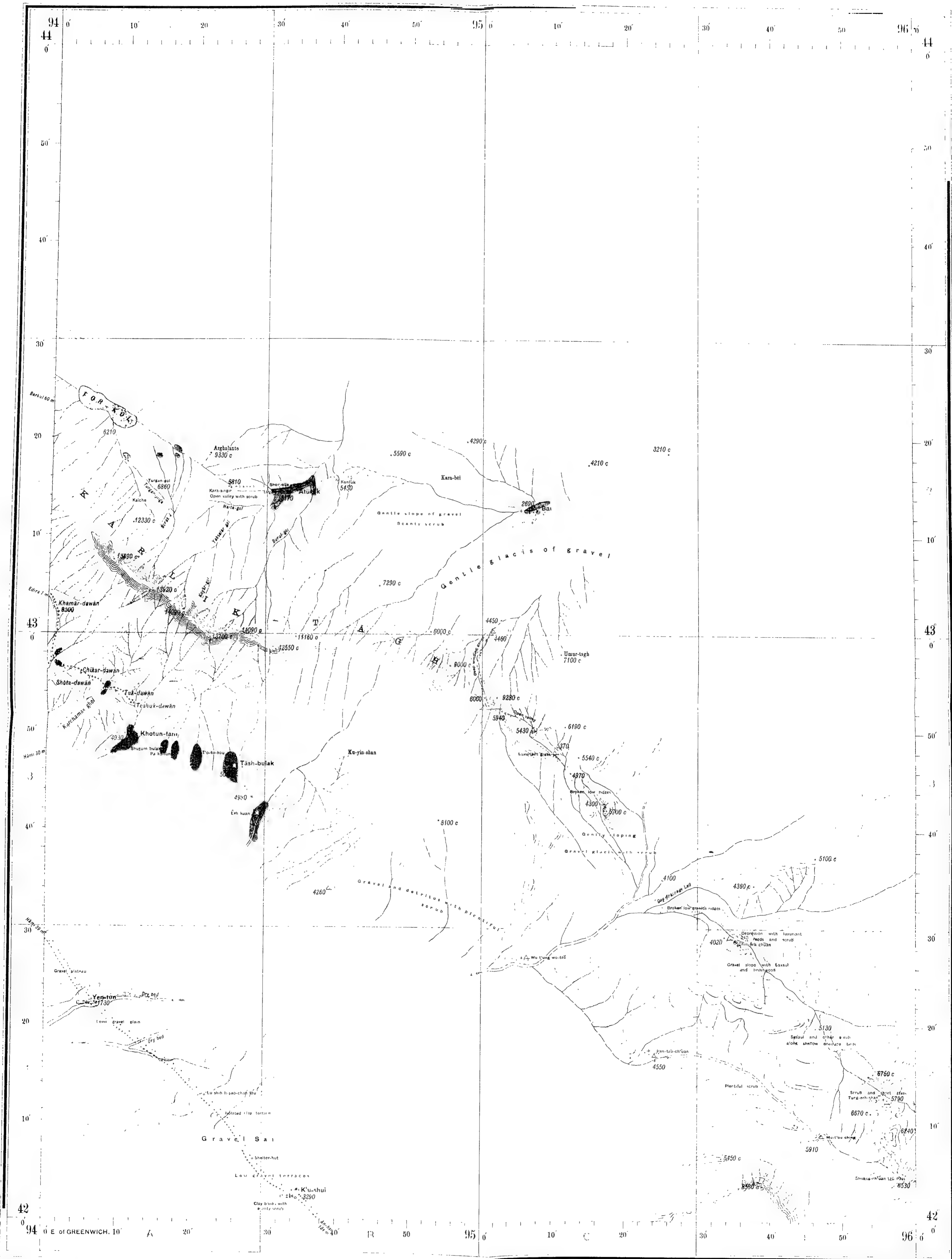
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-46
(CARTE INTERNATIONALE DU MONDE)

KARLIK-TÁGH

SERIAL No. 37



Proj. No. 1172 D.D. 1913:2 D. 1913:1 R. 1913:1

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights by theodolite, by clinometer .13277 .12309 c

Heights by barometer or hypsometer .12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces. Mesa: Yárdang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation-unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living; dead

Sandy tract with scrub or jungle

Tamarisk cones living; dead

Wild poplars (Toghaks) living; dead

Tamarisks living; dead. Conifers

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1919.

Scale 1:500,000 or 1:1014 inches to 8 Miles

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EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Spring, Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient; recent

Walled town: extant; ruined. Ruined mound (Stupa)

Ancient site, watch-tower. Cairn

Route with camp, 1900 01

Route with camp, 1906 08

Route with camp, 1913 15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afraz Gul in 1913 15

Camps of R. B. Lal Singh in 1913 15

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

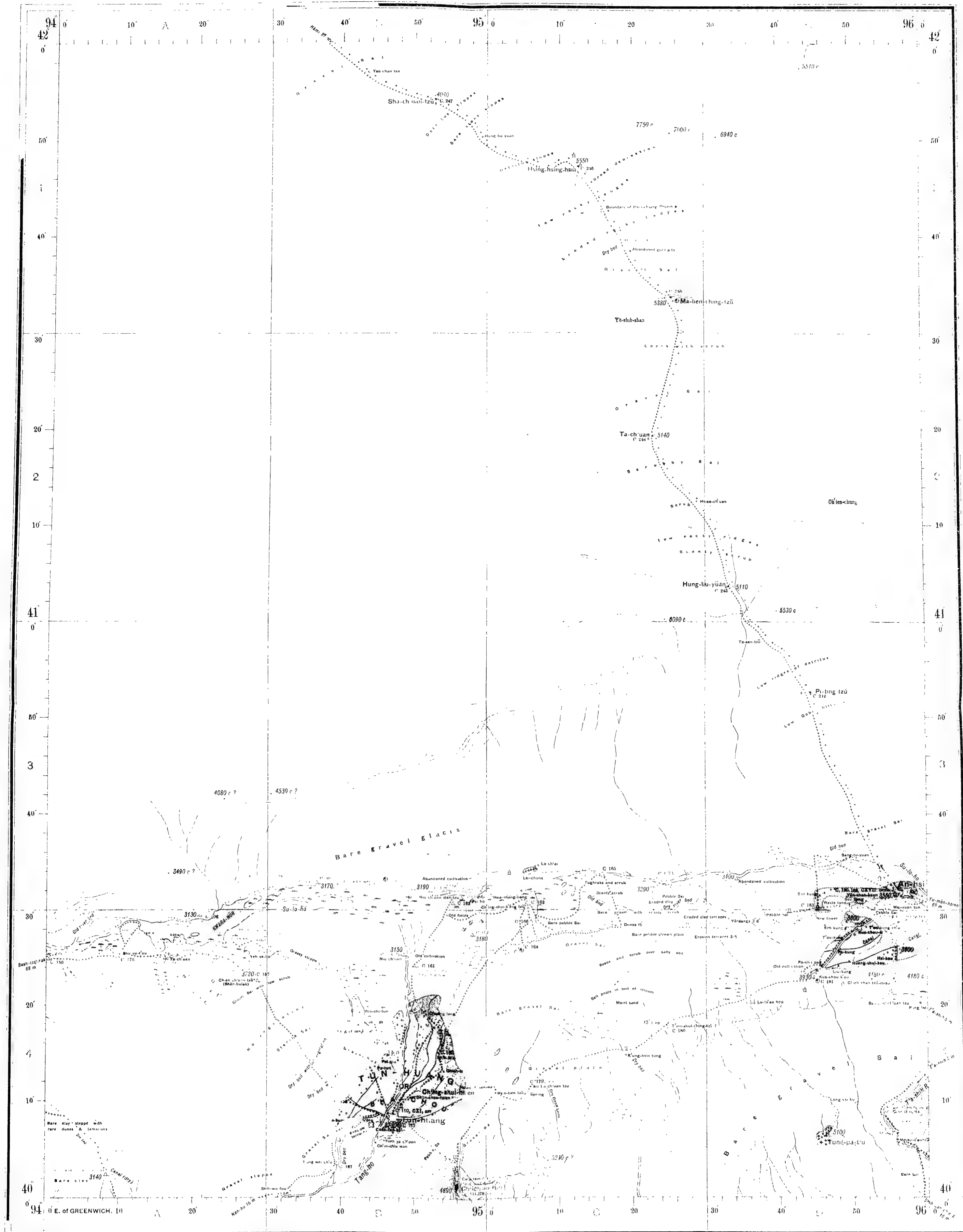
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-46

(CARTE INTERNATIONALE DU MONDE)

TUN-HUANG, AN-HSI.

SURVEY OF INDIA No. 38



Revised 1919 D. D. 1913-15 D. C. 1-31-1919

Latitude Stn Azimuth Stn Triangulation Stn

Heights by theodolite; by clinometer 13777 13777

Heights by barometer or hypsometer 13777 13777

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yardang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc. where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toynraks) living, dead

Tamarisks living, dead Conifers

Index to localities

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Tun-huang

An-hsi

Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., 1919, Survey of India.

1919

Scale 1 500,000 or 1 014 inches to 8 Miles

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0 Miles

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0 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'an-tzu Pu-tzu	Walled village
Chap	Hill stream	Kum	Sand	Sai	Decr. of stone or grave
Dai-ja	River	Kumush	Reeds	Shan (Chin)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin)	Temple	Ustang	Canal
Karaul	Watch station	Oghul	Shepherd station	Yalak, Yalagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

24 27

35 38 41

36 39 41

Spring Well Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort ancient, recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant, ruined, Ruined mound (Stupa)

Ancient site; watch-tower, Cairn

Route with camp, 1900 01

Route with camp, 1906 08

Route with camp, 1913 15

Camps of Sir A. Stein or Mr. Yakub Khan in 1913 15

Camps of Sir A. Stein and Afraz Gul in 1913 15

Camps of R. B. Lal Singh in 1913 15

Legends of this map are for reference only and are not to be used as a guide to the Survey of India.

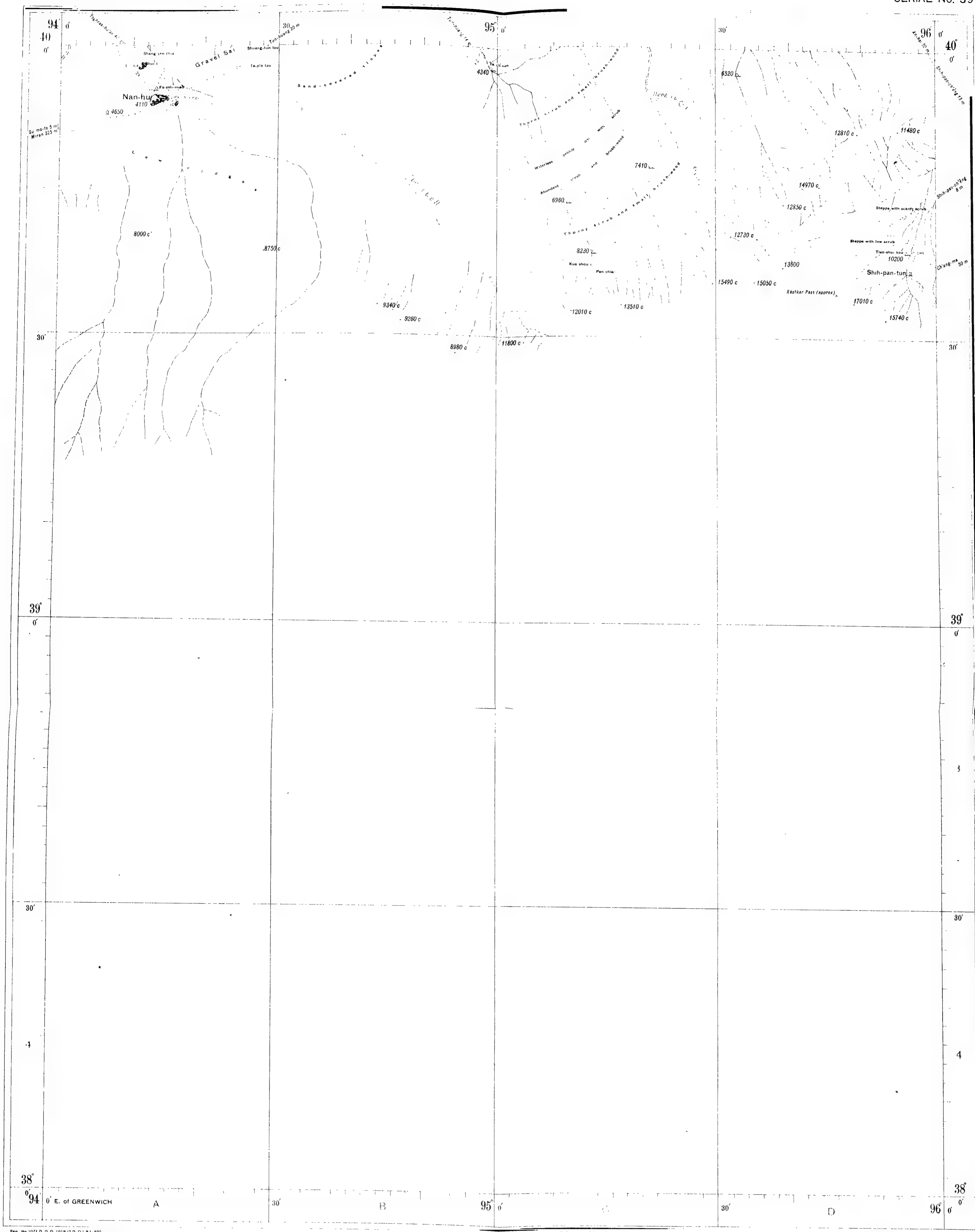
Others: Map, Record and Issue, Drawing, Cassette, Text, One Sheet

CHINESE TURKISTAN AND KANSU
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E.,
1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 80 N. E.

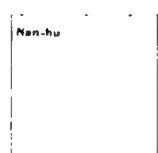
NAN-HU

SERIAL No. 39

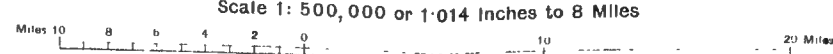


No. 1071 D D D 1918 (2 D 0181-800)
Latitude Stn. Azimuth Stn. Triangulation Stn.
Heights: by theodolite, by clinometer 13277 12300 c
Heights: by barometer or hypsometer 12770
Perpetual snow (approximate)
Drift-sand area
Erosion terraces: Mesa; Yārdang
Hard salt crust
Hard salt encrusted clay
Soft salt encrusted clay
Cultivation: unsurveyed
Edges of cultivation, etc., where surveyed
Reeds or low scrub: living; dead
Sandy tract with scrub or jungle
Tamarisk cones, living; dead
Wild poplars (Toghraks), living; dead
Tamarisks, living; dead; Conifers

Index to localities



Published under the direction of Colonel Sir S. G. Burrard, K.C.S.I., R.E., F.R.S., Surveyor General of India, 1918.
Scale 1: 500,000 or 1:014 inches to 8 miles



EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Daryā	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawān	Pass	Kurghān	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tāgh	Mountain
Ho (Chin.)	River	Mazār, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul...	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

35	38	41
36	39	42

Spring Well, Karez
Main road
Other roads and paths with pass
Telegraph line
Temple, Muhammadan shrine, Sacred tomb
Fort: ancient; recent Mine
Temporarily occupied hut
Frontier wall: ancient; recent
Walled town: extant; ruined. Ruined mound (Stupa)
Ancient site; watch-tower, Cairn
Route with camp, 1900 01
Route with camp, 1906 08
Route with camp, 1913 15
Camps of Sir A. Stein or Mid Yakub Khan in 1913-15
Camps of Sir A. Stein and Afraz Gul in 1913-15
Camps of R. B. Lal Singh in 1913 15

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

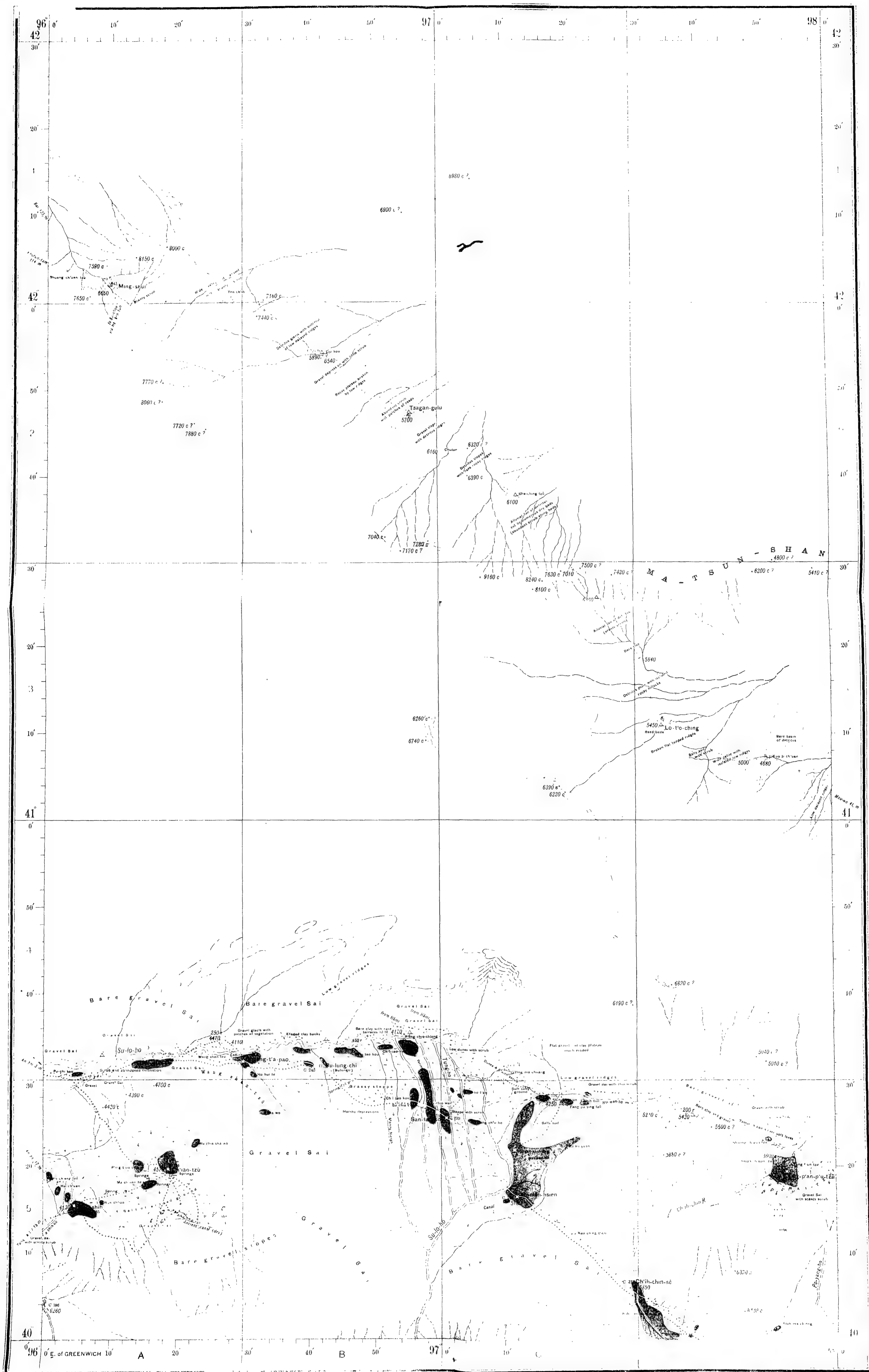
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-47
(CARTE INTERNATIONALE DU MONDE)

YÜ-MÊN-HSIEN

SERIAL No. 40



Scale 1 500,000 or 1 014 inches to 8 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Rutak	Spring	Kul-kul	Lake	P'ao-tzu, Pu-tzu	Walled village
Chap	Hill stream	Hum	Sand	Sai	Desert, or stone at grave
Darya	River	Kumush	Reeds	Shan (Chin)	Mountain
Duwan	Pass	Kuighan	Tower	Ta-fu (Chin)	Pass
Dong	Hill	Lan-ga, L'	Host house	Tagh	Mausoleum
Ilu (Chin)	River	Mazar, Mi	Saint's tomb	Toghrak	Poplar
Jilga, J	Village	Miao (Chin)	Temple	Ustang	Canal
haraul	Watch station	Oghil	Shepherd station	Taiuk, Taiukh	Grazing ground

Streams etc. when in generally can't see water are shown in blue

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Spring	Wen, Wenz
Main road	
Other roads and paths with data	
Telegraph line	
Temple	Mahomedan shrine, sacred tomb
Fort	ancient, modern, Ma
Temporarily occupied hut	
Frontier wall	ancient, recent
Walled town	extant, ruined, mound (Stupa)
Ancient site	watch-tower, tower
Route with camp, 1900-01	
Route with camp, 1906-08	
Route with camp, 1913-15	
Camps of Sir A. Stein and Mr. K. Khan in 1913-15	
Camps of Sir A. Stein and Mr. K. Khan in 1913-15	
Camps of H. B. Smith in 1913-15	

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CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

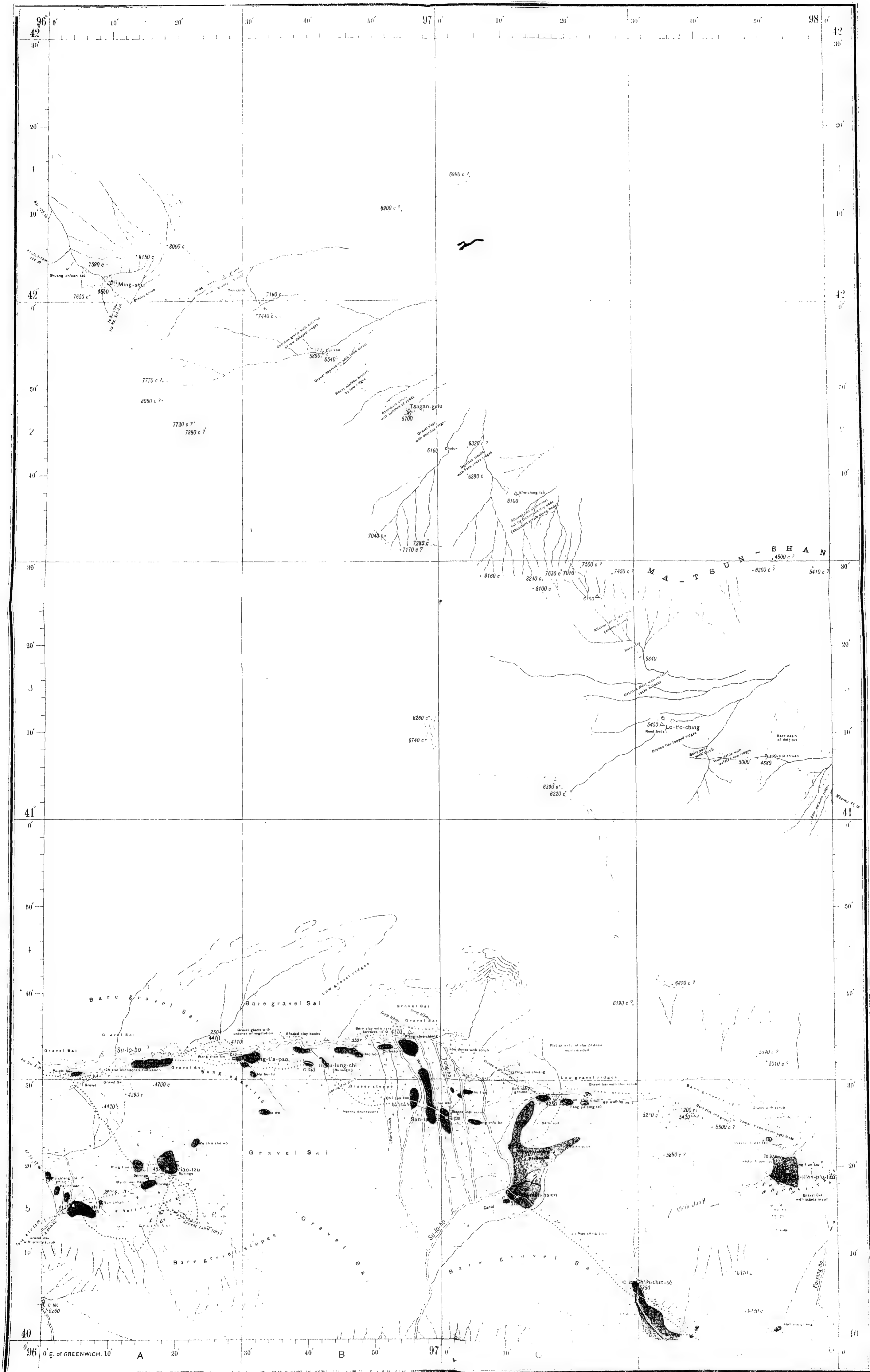
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-47
(CARTE INTERNATIONALE DU MONDE)

YÜ-MËN-HSIEN

SERIAL No. 40



Scale 1 500,000 or 1 014 inches to 8 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Relak	Sarng	Kat Kol	Lako	Pao-lzu, Pu-lzu	Walle's Village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin)	Pass
Ding	Hill	Largar, Lz	Hill house	Tagh	Mountain
Hu (Chin)	River	Mazar, Mt	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Mao (Chin)	Temple	Ustang	Canal
haraul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. when generally running water is shown in blue

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Spring, Well, canal	1
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Crossed lines show the limits of the Survey of the Office of the Survey of India

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

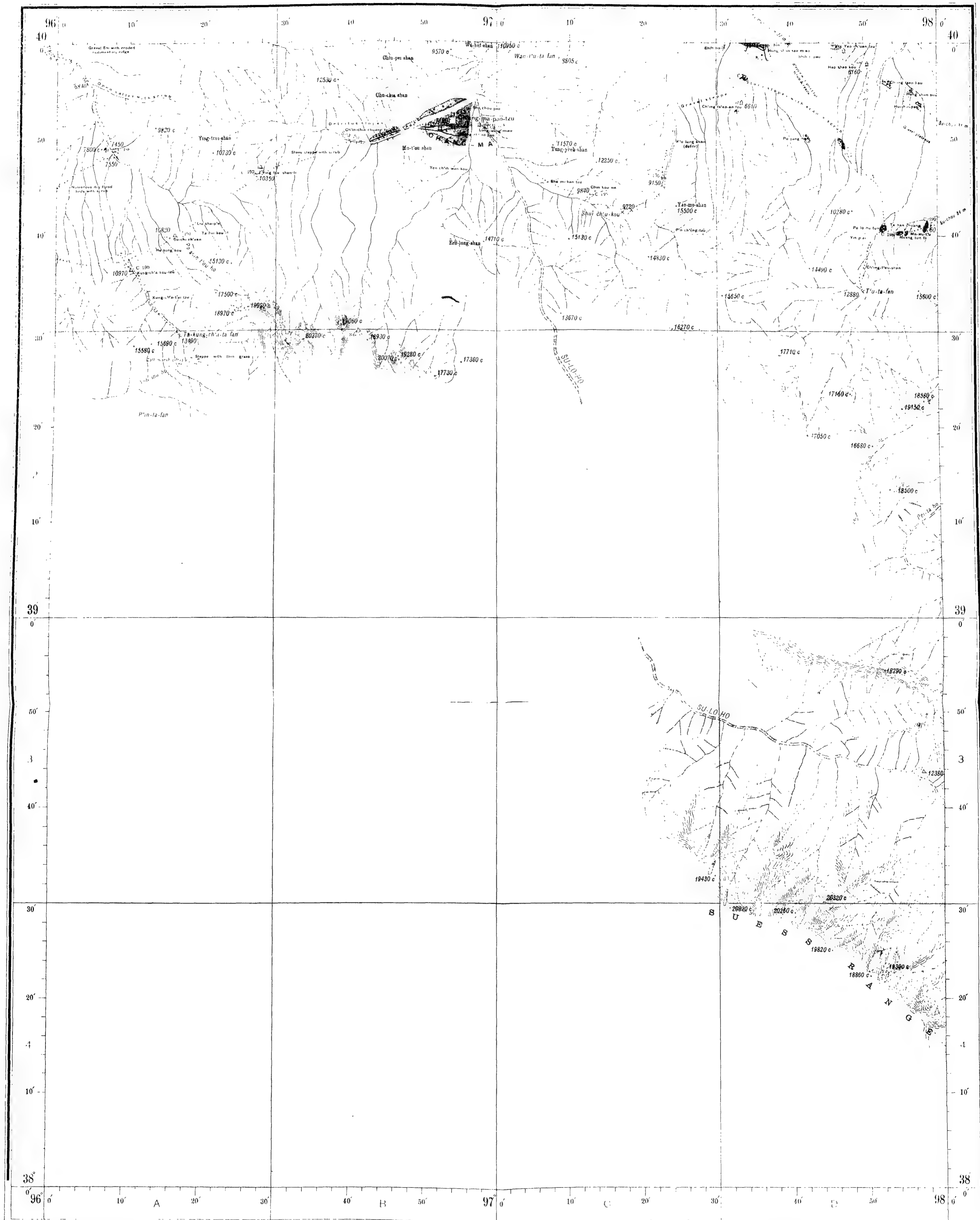
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 89 N W

CH'ANG-MA

SERIAL No. 41



Revised No. 1227 D.D. 1920 (20.0.1911-1900)

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite, by clinometer 13277 12300 c

Heights by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yardians

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub living, dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Tograks) living, dead

Tamarisks living, dead Conifers

Index to localities

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Scale 1:500,000 or 1:014 inches to 8 Miles

1920

Index to adjoining sheets

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, K. d.	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Shan (Chin.)	Desert of stone or gravel
Darya	River	Kumush	Reeds	Ta-fan (Chin.)	Mountain
Dawan	Pass	Kurgan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Ir	Road house	Tagh	Mountain
Ho (Chin.)	River	Mazar, M.	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Ushing	Canal
Karaul	Watch station	Oghli	Shepherd station	Yailak, Yulug	Grazing ground

Streams, etc., which generally contain water are shown in blue

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple Muhammadan shrine Sacred tomb

Fort ancient, recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant, ruined. Ruined mound (Stupa)

Ancient site; watch tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afriz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

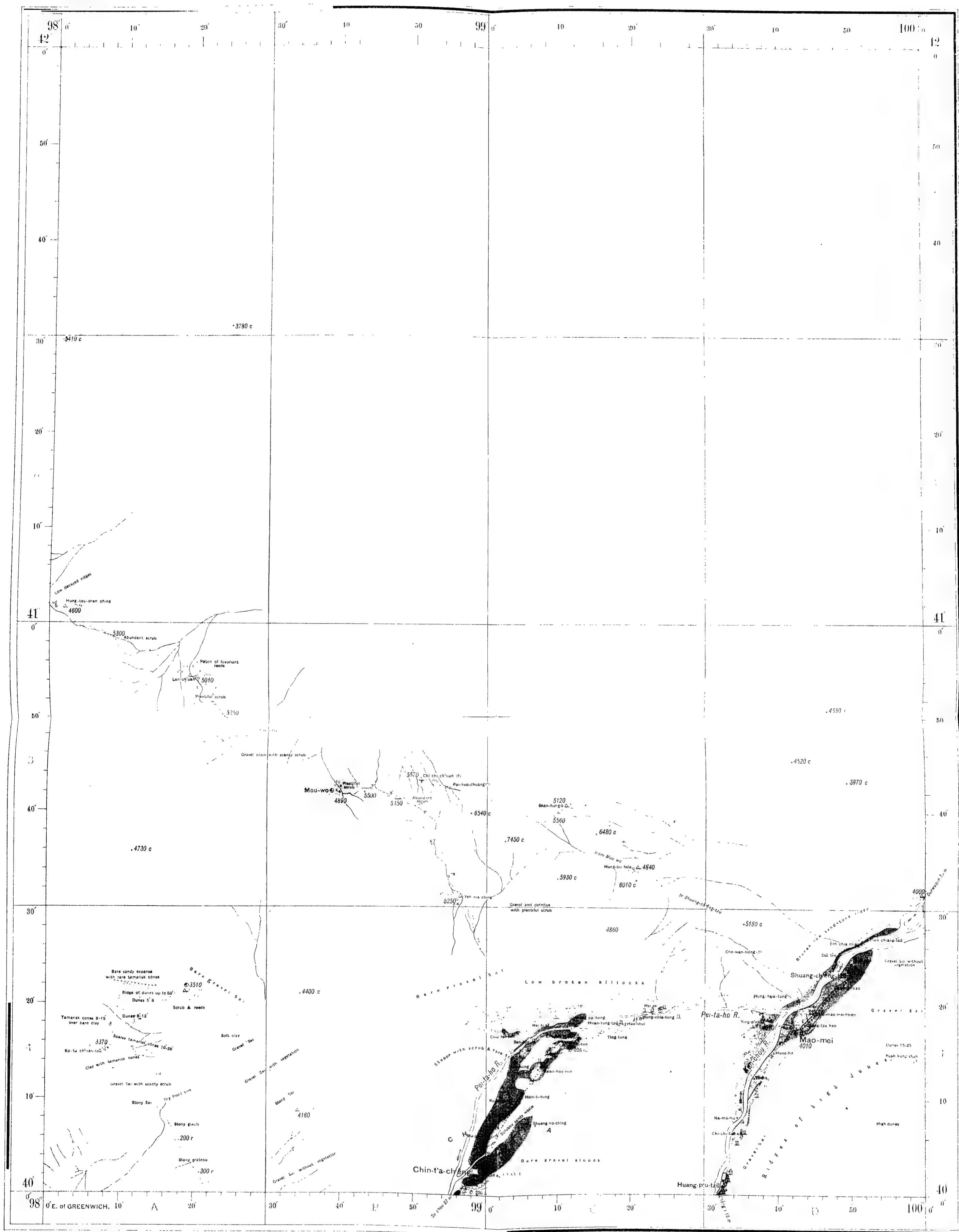
SIR AUREL STEIN, K. C. I. E.,

1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-47
(CARTE INTERNATIONALE DU MONDE)

CHIN-T'A

SERIAL No. 42



Res. No. 1238 D. D. 1920, (20 D. D. 1-1000)

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite, by clinometer 13777 12300 c

Heights: by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift sand area

Erosion terraces Mesa, Yârdang

Hard salt crust

Hard salt encrusted clay

Soft salt encrusted clay

Cultivation unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub, living; dead

Sandy tract with scrub or jungle

Tamarisk cones living, dead

Wild poplars (Toghaks) living, dead

Tamarisks living, dead Conifers

Index to localities

Mou-wu

Chin-t'a

Chin-t'a

Chin-t'a

Chin-t'a

Chin-t'a

Chin-t'a

Chin-t'a

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Chin-t'a

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Scale 1: 500,000 or 1: 1,014 inches to 8 Miles

1920

Miles 10 5 0 5 10

Miles 10 5 0 5 10

Miles 10 5 0 5 10

Miles 10 5 0 5 10

Miles 10 5 0 5 10

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Miles 10 5 0 5 10

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Miles 10 5 0 5 10

Miles 10 5 0 5 10

Miles 10 5 0 5 10

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kal	Lake	P'ao-tzu, Pu-tzu	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Dary	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dung	Hill	Ling, Lr	Rice house	Tagh	Mountain
Ho Chin	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Ustang	Canal	
Karui	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Index to adjoining sheets

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall ancient, recent

Walled town extant, ruined, Ruined mound (Stupa)

Ancient site, watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Alirâz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

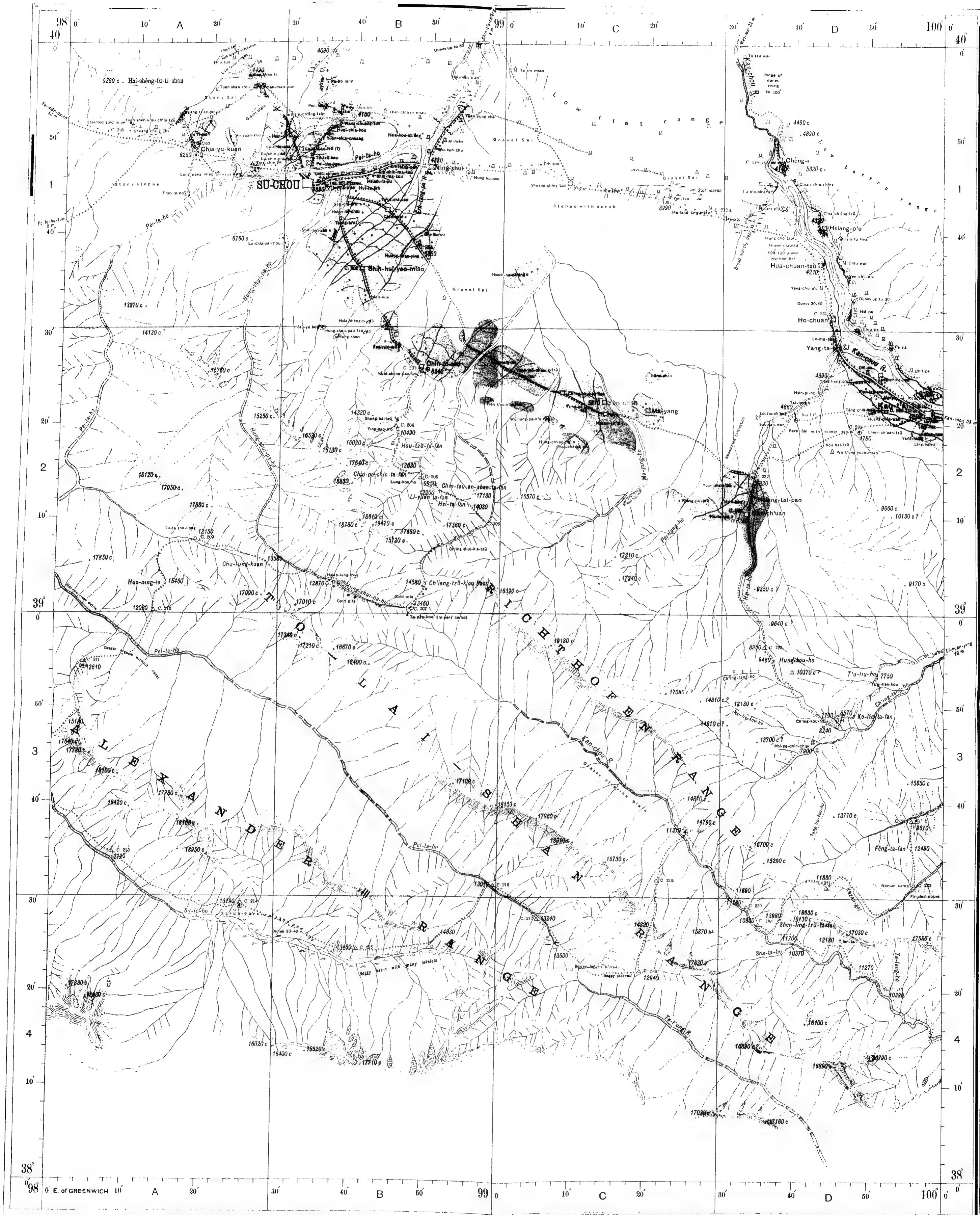
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CHINESE TURKISTAN AND KANSU
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E.,
1900-01, 1906-08, 1913-15.

SURVEY OF INDIA No. 89 N.E.

SU-CHOU

SERIAL No. 43



Latitude Stn Azimuth Stn Triangulation Stn

Heights: by theodolite; by clinometer .13277 .12300 c

Heights: by barometer or hypsometer .12770

Perpetual snow (approximate)

Drift-sand area

Erosion terraces: Mesa; Yárdang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub, living, dead

Sandy tract with scrub or jungle

Tamansk cones, living, dead

Wild poplars (Toghra): living, dead

Tamarisks living, dead. Conifers

Index to localities



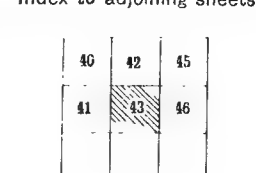
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1922

Scale 1: 500,000 or 1: 614 inches to 8 Miles



Index to adjoining sheets



EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Daryá	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dang	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazár, Mr.	Saint's tomb	Toghra	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Ustang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

Spring Well, Käréz

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant; ruined, Ruined mound (Süpa)

Ancient site; watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khān in 1913-15

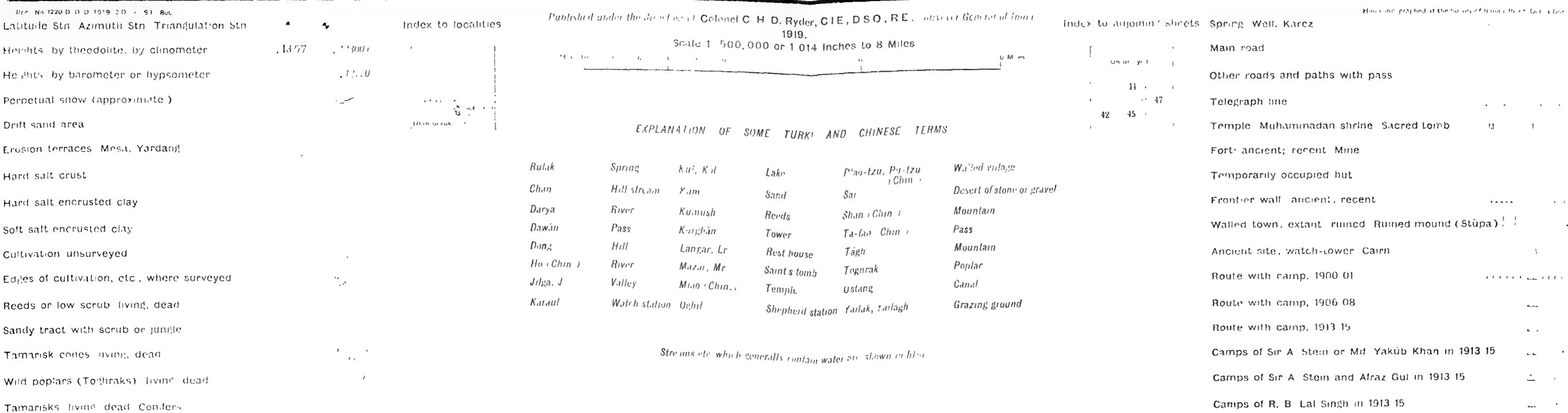
Camps of Sir A. Stein and Afráz Guí in 1913-15

Camps of R. B. Lāi Singh in 1913-15

1900 01, 1906 03, 1913 15

ETSIN-GOL DELTA

SERIAL No. 44



Copy of the map can be obtained free of charge from the Secretary of the
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CHINESE TURKISTAN AND KANSU

FROM SURVEYS MADE DURING THE EXPLORATIONS OF

SIR AUREL STEIN, K. C. I. E.,

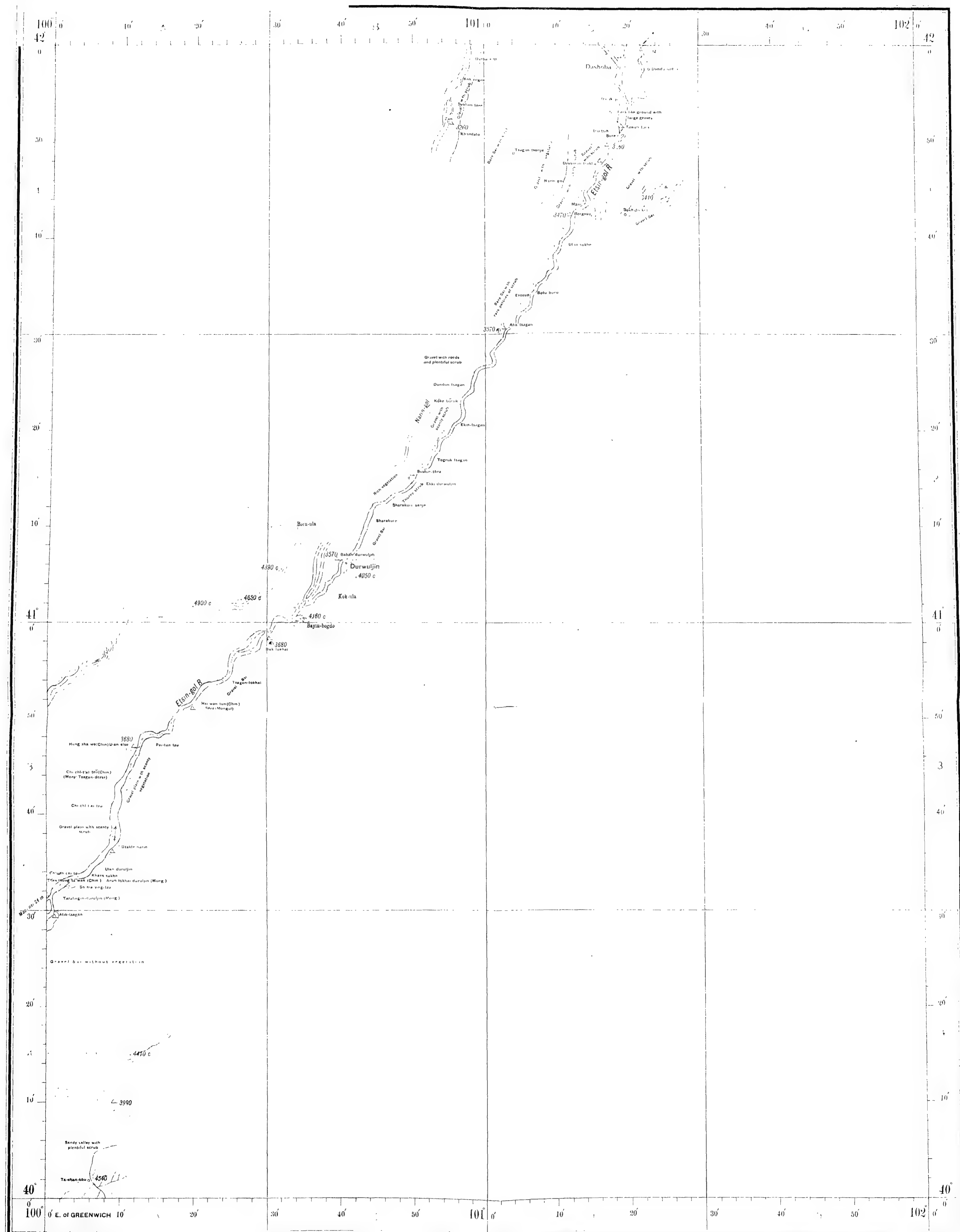
1900-01, 1906-08, 1913-15

PART OF SHEET No. N. K-47

(CARTE INTERNATIONALE DU MONDE)

ETSIN-GOL

SERIAL No. 45



No. 1247 D D D 1248 (2 D 1249) 800

Latitude Stn. Azimuth Stn. Triangulation Stn

Heights: by theodolite; by clinometer 13277 12300 c

Heights: by barometer or hypsometer 12770

Perpetual snow (approximate)

Drift-sand area

Erosion terraces, Mesa, Yârdang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub: living; dead

Sandy tract with scrub or jungle

Tamarisk cones, living; dead

Wild poplars (Toghraks) living; dead

Tamarisks: living; dead Conifers

Index to localities



Published under the direction of Colonel C H D. Ryder, C.I.E., D.S.O., R.E., Surveyor General of India

Scale 1:500,000 or 1:614 inches to 8 Miles

Scale 1:500,000 or 1:614 inches to 8 Miles

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Scale 1:500,000 or 1:614 inches to 8 Miles

Scale 1:500,000 or 1:614 inches to 8 Miles

Scale 1:500,000 or 1:614 inches to 8 Miles

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawan	Pass	Kurghan	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langar, Lr	Rest house	Tagh	Mountain
Ho (Chin.)	River	Mazar, Mr	Saint's tomb	Toghrak	Poplar
Jilga, J	Valley	Miao (Chin.)	Temple	Uzlang	Canal
Karaul	Watch station	Oghil	Shepherd station	Tailak, Yailagh	Grazing ground

Streams etc which generally contain water are shown in blue

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41	47
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43	49

Spring Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine, Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient, recent

Walled town: extant; ruined, Ruined mound (Stupa)

Ancient site; watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afriz Gul in 1913-15

Camps of R. B. Lal Singh in 1913-15

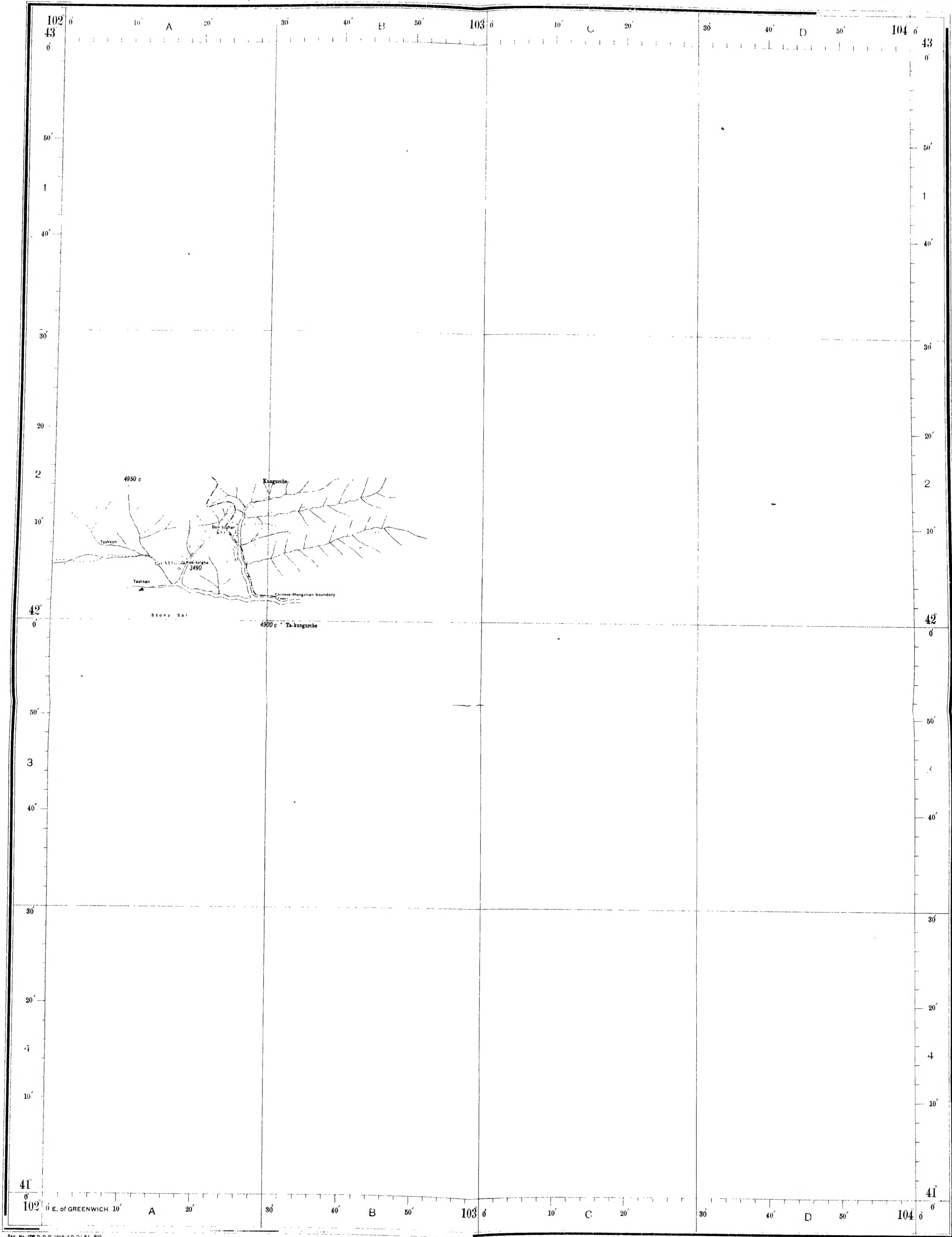
Copies of this map can be obtained from the Survey of India Office (Map Room) and from the Survey of India Office (Map Room) and from the Survey of India Office (Map Room)

CHINESE TURKISTAN AND KANSU
FROM SURVEYS MADE DURING THE EXPLORATIONS OF
SIR AUREL STEIN, K. C. I. E.,
1900-01, 1906-08, 1913-15.

PART OF SHEET No. N. K-48
(CARTE INTERNATIONALE DU MONDE)

KUNGURCHE

SERIAL No. 47



Res. No. 1296 D. D. D. 1919 (2 D. O.) 511 800

Latitude Stn. Azimuth Stn. Triangulation Stn.

Heights: by theodolite; by clinometer . 13277 . 12300 c

Heights: by barometer or hypsometer . 12770

Perpetual snow (approximate)

Drift-sand area

Erosion terraces Mesa; Yärdang

Hard salt crust

Hard salt-encrusted clay

Soft salt-encrusted clay

Cultivation: unsurveyed

Edges of cultivation, etc., where surveyed

Reeds or low scrub: living; dead

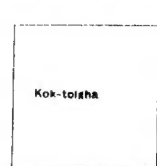
Sandy tract with scrub or jungle

Tamarisk cones: living; dead

Wild poplars (Toghrahs): living; dead

Tamarisks: living; dead Conifers

Index to localities

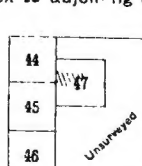


Published under the direction of Colonel C. H. D. Ryder, C.I.E., D.S.O., R.E., Surveyor General of India, 1919

Scale 1: 500,000 or 1:014 Inches to 8 Miles

Miles 10 5 0 5 10

Index to adjoining sheets



Spring, Well, Karez

Main road

Other roads and paths with pass

Telegraph line

Temple, Muhammadan shrine Sacred tomb

Fort: ancient; recent Mine

Temporarily occupied hut

Frontier wall: ancient; recent

Walled town: extant; ruined. Ruined mound (Stüpa)

Ancient site; watch-tower Cairn

Route with camp, 1900-01

Route with camp, 1906-08

Route with camp, 1913-15

Camps of Sir A. Stein or Md. Yakub Khan in 1913-15

Camps of Sir A. Stein and Afrāz Gul in 1913-15

Camps of R. B. Lāl Singh in 1913-15

EXPLANATION OF SOME TURKI AND CHINESE TERMS

Bulak	Spring	Kul, Kol	Lake	P'ao-tzu, Pu-tzu (Chin.)	Walled village
Chap	Hill stream	Kum	Sand	Sai	Desert of stone or gravel
Darya	River	Kumush	Reeds	Shan (Chin.)	Mountain
Dawān	Pass	Kurghān	Tower	Ta-fan (Chin.)	Pass
Dong	Hill	Langer, Lr	Rest house	Tāgh	Mountain
Ho (Chin.)	River	Mazār, Mr	Saint's tomb	Toghrah	Poplar
Jiiga, J	Valley	Miso (Chin.)	Temple	Üstang	Canal
Karaul	Watch station	Oghil	Shepherd station	Yailak, Yailagh	Grazing ground

Streams etc. which generally contain water are shown in blue

